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¹ The letter (a) following entry numbers indicates citation of abstracts which are primary publications; these are usually of themes or of papers read at professional meetings. The letter (f) indicates unpublished theses. The letter (f) indicates films.

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EDITORIAL NOTE

The following correction should be made in abstract number 4026 (August 1950). The second sentence of the abstract should be changed to read: Pitch level was located close to middle C and therefore similar to previously found pitch levels for boys from 7 to 14 years and for adult females.

GENERAL

6117. Anderson, Camilla M. (V. A., Salt Lake City, Utah.) *All the world is queer but thee and me.* *Ment. Hyg., N. Y.*, 1950, 34, 241-252.—Anderson discusses the psychic make-up of man as he really is and comes to the conclusion that, "If we would conserve human resources, we need to lose first both our sense of guilt and our sense of virtue. Either feeling is too wasteful as well as too unrealistic. With these feelings we court trouble for ourselves, and are surely dispensing unnecessary punishment on others."—M. A. Seidenfeld.

6118. [Anon.] *Za tvorcheskoe razvitie peredovoi nauki.* (Towards creative development of progressive science.) *Bol'shevik*, 1950, 27(11), 7-14.—Soviet scientists, while praised for "unheard of achievements," are taken to task for tending to "canonize" old theories. At the same time, physiologists are warned to stop paying lip-service to the ideas of Pavlov while at the same time "perverting" them.—I. D. London.

6119. Ehrenzweig, Anton. *The origin of the scientific and heroic urge (the guilt of Prometheus).* *Int. J. Psycho-Anal.*, 1949, 30, 108-123.—"While the hero is exhibitionistic, the scientist is a voyeur. He has already paid the price and connived in his castration; by identifying himself with the (castrated) oral-sadistic woman he assimilates her oral aggression which he sublimates into the scientific thirst for knowledge (scientific curiosity or voyeurism)."—N. H. Pronko.

6120. Groddeck, Georg. *The book of the It.* New York: Funk & Wagnalls, 1950. 301 p. \$3.50.—Through a series of 33 letters, incidents are related from the author's personal life, from the case histories of his patients and from literary sources relating to the Oedipus complex, transference, resistance, disease, symbolic actions, etc. The theme running through these letters is that man is animated by the It which directs what he does and what happens to him. Man should not say, "I live." Rather, "Man is lived by the It."—N. H. Pronko.

6121. Groddeck, Georg. *Exploring the unconscious.* New York: Funk & Wagnalls, 1950.

224 p. \$2.75.—This is "a compilation of addresses and articles taken, for the most part, from a journal circulated privately among the author's friends and patients all over the world." Section I deals with memories of childhood and youth that show the operations of unconscious forces. Section II is an excursion into unconscious purpose in animals. "Unconscious factors in organic processes" and "Unconscious symbolism in language and art" are treated in the next two sections. Section V presents the author's theoretical basis.—N. H. Pronko.

6122. Royce, Joseph R. (U. Chicago, Ill.) *The factorial analysis of animal behavior.* *Psychol. Bull.*, 1950, 47, 235-259.—All known factorial studies of animal behavior are reviewed as well as large-scale relevant intercorrelation studies. Data in the areas of learning, emotionality, and motivation, while too scanty for reliable conclusions, yield analyses consistent in the denial of a unitary factor and the pointing up of multiple factors. Early leads should be pursued and it is necessary to verify experimentally the theoretical concept of "simple structure" on an organismic level. "The theoretical structure of comparative and physiological psychology would be greatly strengthened by a method which could provide insight into the nature of the basic variables involved in its experimental and test situations." 73-item bibliography.—M. R. Marks.

6123. Thorpe, Louis P. (U. Southern California.) *Personality and youth.* Dubuque, Ia.: Wm. C. Brown, 1949. xv, 378 p. \$3.00.—Presents in non-technical language that high school students can understand and enjoy, the essential facts of personality development and sound social adjustment as they are known to the science of psychology. Contains 19 chapters grouped under six parts: Understanding one's self and others; Personality in formation and action; Maintaining personal and social integrity; Everyday problems of high school students; Character and religion in a modern world; Personality and the welfare society. In each chapter are questions for discussion, suggested student activities, and recommended readings. The author also presents suggestions to the student on "how to use the book" and suggestions to the teacher on "how to guide the student."—F. Costin.

THEORY & SYSTEMS

6124. Carlsson, N. Gösta. *Dimensions of behaviour; a study in the logic of psychology and sociology.* Lund, Sweden: C. W. K. Gleerup, 1949. 190 p. Sw. Kr. 9:50.—This study of methodological problems, starting from a conception of scientific

procedure essentially in line with logical empiricism, puts major emphasis on the analysis of the logical character of explanatory constructs or variables. The term "generator properties" is suggested for these variables, which can be inferred to account for the co-variation between observed properties. Logic of this is indicated. Statistical factor-analysis is seen as a variety of this technique; as in many other cases, the chief danger of factor analysis is the tendency to regard the explanation or description achieved as something more profound and final than it really is.—*B. R. Fisher.*

6125. Cassirer, Ernst. *The problem of knowledge: philosophy, science, and history since Hegel.* New Haven, Conn.: Yale University Press, 1950. xviii, 334 p. \$5.00.—This is the fourth volume of the author's series on the problem of knowledge in philosophy and science in modern times. It is published posthumously in an English translation by William H. Woglom and Charles W. Hendel from the original German manuscript. The epistemological aspects of mathematical, physical, biological and historical theories of the 19th century are delineated and critically evaluated. The 28 chapters are divided into 3 parts: Exact science, The ideal of knowledge and its transformations in biology, and Fundamental forms and tendencies of historical knowledge.—*C. M. Louttit.*

6126. Fenchel, Gerd H. (*City College of New York*.) *An appraisal of two theories of behavior: Edwin B. Holt and Kurt Goldstein.* *J. intercollegiate Psychol. Ass.*, 1949, 1, 74-84.—The author appraises the theories of behavior of Holt and Goldstein. He finds that "a comparison of the two theories is extremely difficult, because of the differences of methodology and the resulting approach via different dimensions of analysis." He feels that both theories are ultimately reductionistic. "Although the methodology applied by both displays many defects, we ought not simply to discard their theories . . . but rather accept whatever usefulness they offer in the light of present findings, and develop their suggestions for future research."—*H. Feifel.*

6127. Gruhle, Hans W. *Verstehende Psychologie; Erlebnislehre.* (Intuitive psychology; experience theory.) Stuttgart: Georg Thieme, 1948. xi, 622 p. DM. 30.—This work is based upon various points of view that are conditioned by "Weltanschauung." At the same time attempts are made to gear it towards the reality of life emphasizing the emotional side. The material is organized into: introduction; phenomenology; psychological understanding, intuition; personality and environment, life configuration; and psychology and various sciences. 1330-item bibliography.—*M. J. Stanford.*

6128. Moulyn, Adrian C. (*Connecticut Commission on Alcoholism, Stamford*.) *The limitations of mechanistic methods in the biological sciences.* *Sci. Mon.*, N. Y., 1950, 71, 44-49.—"The contrast of mechanism versus holism is one of past-determinacy versus future-striving. The attitude of extrospection is to mechanistic principles what intro-

spection is to holistic principles; the contrast between extrospection versus introspection is a looking at phenomena with the emphasis on their organization in *space* versus . . . in *time*. Holistic principles . . . can be raised . . . to the status of scientifically defined and practically useful concepts, through the analysis of the temporal structure of the various modalities of movement of living organisms."—*B. R. Fisher.*

METHODS & APPARATUS

6129. Henry, Franklin M. (*U. California, Berkeley*.) *The loss of precision from discarding discrepant data.* *Res. Quart. Amer. Ass. Hlth*, 1950, 21, 145-152.—The author examined the effect of discarding data by performing a single timing experiment in which he timed 10-second intervals with a well-adjusted 0.1 second stop-watch, using as a time stimulus the movement of the sweep second hand of an electric clock. The watch was read and reset and the time recorded by an assistant, so that the E never knew how well he was doing. It was concluded that, "The error deviations between true time and estimates based on the mean of serial pairs was found to be unrelated to the intra-pair deviations, in agreement with statistical theory, and the discarding of discrepant data on the basis of tolerance limits for reproducibility of serial measures did not improve the accuracy of predicting true time from the measurements."—*M. A. Seidenfeld.*

6130. Hochberg, Julian, & Bitterman, M. E. (*Cornell U., Ithaca, N. Y.*) *The use of painted grids and circuits in the construction of psychological apparatus.* *Amer. J. Psychol.*, 1950, 63, 90-91.—Several recently developed and commercially available silver-based paints, which can be used in conjunction with simple electroplating techniques, provide a remarkably quick and flexible method for dealing with standard problems of electrical and electronic apparatus. An example of its use with a Lucite maze is provided.—*S. C. Ericksen.*

6131. Meier, Norman C. (*U. Iowa, Iowa City*.) *The Meier Audience-Response Recorder.* *Amer. J. Psychol.*, 1950, 63, 87-90.—A photograph and sample records are presented. The recorder is designed to yield a continuous record on wax-impregnated tape, with time-perforation at intervals of 1 minute. Multiple units working simultaneously will produce records which can then be combined in a composite profile showing the median response of a group and the semi-interquartile range for every moment of the observation. The basic specifications are described.—*S. C. Ericksen.*

6132. Mintz, Alexander. (*City College of New York*.) *The meaning and research implications of the concept "unreliable statistics."* *J. intercollegiate Psychol. Ass.*, 1949, 1, 93-97.—The author discusses "when and to what extent the null hypothesis may be viewed as verified by a failure to obtain statistically significant results; and in what way the planning of research should be affected." He stresses that "one should remember that one can never prove

by statistics that the null hypothesis is true. One can only disprove it or fail to disprove it. If one fails to disprove it, it becomes one's duty to investigate the limits within which hypotheses contradicting the null hypothesis are still compatible with the evidence; any hypothesis within these limits may represent the truth."—*H. Feifel.*

6133. Schoenfeld, R. L. (Columbia U., New York.) A double pulse constant current stimulator. *Rev. sci. Instrum.*, 1949, 20, 827-829.—A double pulse stimulator for use in testing refractory periods of nerve and muscle is described. Two rectangular stimuli of variable time duration (0.0001-3.0000 sec.), time separation (0-10 millise.), and intensity (0-300 volts) are delivered from a high impedance source to a single pair of stimulating electrodes. Provision is made for initiating the horizontal sweep of a cathode ray oscilloscope in synchrony with the stimuli. Preliminary tests with frog sciatic and gastrocnemius as well as with human subjects have been made. Block and circuit diagrams are given.—*H. A. Knoll.*

NEW TESTS

6134. Ammons, Robert B. (U. Louisville, Ky.), Arnold, Paul R., & Herrmann, Robert S. The Full-Range Picture Vocabulary Test. IV. Results for a white school population. *J. clin. Psychol.*, 1950, 6, 164-169.—"A preliminary scale of 226 words based on the plates of the Full-Range Picture Vocabulary Test was administered with the Revised Stanford-Binet vocabulary test to 360 white children, 15 boys and 15 girls at each grade level from 1 to 12. The sample was controlled for the occupations of fathers. A set of 88 items was selected on the basis of this group's performance, divided into two forms, and combined with items from the preschool and adult levels to make up the final Full-Range Picture Vocabulary Test. Reliability based on intercorrelation of the forms was .987 for the whole group, and the forms correlated well (.67 and .69 uncorrected for the unreliability of the criterion) with the 1937 Stanford-Binet vocabulary test. Norms are given for ages 6 to 16." (See 24: 2226).—*L. B. Heathers.*

6135. Bemelmans, F. Analyse du test de la souris. (Analysis of the mouse-trap test.) *Cah. Pédag.*, 1949, 9, 54-66.—The mouse-trap test of Moede was administered to 600 subjects, according to the slightly-modified technique of Henchoz. The study includes curves of work and of ability to learn, compared with other performance tests, also interesting conclusions for professional orientation.—*R. Piret.*

(See also abstracts 6351, 6516)

STATISTICS

6136. Blumen, Isadore. The effect of serial correlation on the distributions of certain statistics. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 302. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6137. Buros, Francis C., & Buros, Oscar K. Expressing educational measures as percentile ranks. Highland Park, N. J.: Gryphon Press, 1949. 27 p. 60¢.—A reprinting of this material (see 5: 2562) which has been out of print for several years.

6138. Garner, W. R. (Johns Hopkins U., Baltimore, Md.) A note on the use of the method of successive differences in empirical curve fitting. *Psychol. Bull.*, 1950, 47, 260-262.—The technique involves taking the mean of successive pairs of points to estimate the slope constant b , then solving for the intercept constant a by substituting in $Y = a + bX$. The method is unnecessary when X -values are spaced equally, since then the b is completely determined by the end-points. When X -distances are unequal increments, the method may yield a b which is actually opposite in sign from the true b . Garner points out that the method is neither legitimate nor meaningful and should be discarded from text-book consideration.—*M. R. Marks.*

6139. Urban, F. M. The psychometric constant delta. *Amer. J. Psychol.*, 1950, 63, 100-107.—In reference to the method of constant stimuli the theoretical and mathematical derivations from the case where $h_1 = h_2$ is an experimental fact, are developed in some detail.—*S. C. Ericksen.*

6140. Whitney, Donald Ransom. A comparison of the power of nonparametric tests and tests based on the normal distribution under nonnormal alternatives. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 379-386.—Abstract of Ph.D. thesis.

6141. Yela, Mariano. La tecnica del analisis factorial. (The factor analysis technique.) *Rev. Psicol. gen. apl., Madrid*, 1949, 4, 317-324.—This second of a series of articles (see 24: 4361) describing the rationale underlying Thurstone's factor analysis technique explains the use of z scores, then describes the matrix of z scores and arrives at the basic algebraic formula of z scores which underlies the technique. The explanation will be continued in future articles.—*G. Elias.*

ORGANIZATIONS

6142. [Anon.] Création d'une fondation de psychologie expérimentale. (Establishment of a foundation for experimental psychology.) *Nouv. Rev. Pédag.*, 1949, 4, 588-591.—A committee is being formed in Belgium to promote psychological studies in that country, and establish a psychological foundation.—*R. Piret.*

HISTORY & BIOGRAPHY

6143. ———. Dr. Alfred Adler: 1870-1937. *Amer. J. Psychother.*, 1950, 4.—Portrait facing p. 223.

6144. Blanchard, Phyllis. (Philadelphia (Pa.) Child Guidance Clinic.) G. Stanley Hall (1846-1924). *Marriage Hyg.*, 1948, 1, 248-249.—Biography.

6145. Bond, Earl D. Thomas W. Salmon, psychiatrist. New York: Norton, 1950. 237 p. \$3.00.—This biography of Dr. Salmon is written in collaboration with Paul O. Komora. It describes Dr. Salmon's unorthodox entry into the field of psychiatry, his work with the National Committee for Mental Hygiene, and his work with the Army during the first World War, and his continuing interest in veterans and mental hygiene problems following the war. Several portrait illustrations. 6-page bibliography.—C. M. Louttit.

6146. Dorcus, Roy M. Knight Dunlap: 1875-1949. *Amer. J. Psychol.*, 1950, 63, 114-119.—Obituary. Portrait facing p. 1.

6147. Folsom, Joseph K. (Vassar Coll., Poughkeepsie, N. Y.) Ernest R. Groves (1877-1946). *Marriage Hyg.*, 1948, 1, 250-251.—Obituary.

6148. Metfessel, Milton. (U. Southern California, Los Angeles.) Carl Emil Seashore, 1866-1949. *Science*, 1950, 111, 713-717.—Obituary.

6149. Rennie, Thomas A. C. Adolf Meyer (1866-1950). *Psychosom. Med.*, 1950, 12, 71-72.—Obituary. Portrait facing p. 71.

6150. Watters, T. A. Titans of psychiatry—Sigmund Freud and Adolf Meyer. *Med. surg. J.*, 1950, 102, 410-415.—A comparison and contrast of the work and teachings of Sigmund Freud and Adolf Meyer are made with an evaluation of their respective contributions to psychiatry.—F. C. Sumner.

PROFESSIONAL PROBLEMS OF PSYCHOLOGY

6151. Hunt, William A. (Northwestern U., Evanston, Ill.) On the teaching of clinical psychology. *J. clin. Psychol.*, 1950, 6, 143-148.—It is suggested that we begin applying clinical psychology to ourselves and not just to "the other one." Viewing psychologists and psychological systems from a dynamic point of view might do much to broaden the point of view of students in their training.—L. B. Heathers.

6152. Macfarlane, Jean Walker. (U. California, Berkeley.) The training of psychologists for the community mental health service field. *J. clin. Psychol.*, 1950, 6, 128-132.—Questions are raised regarding the training of students in clinical psychology, particularly as this training relates to preventive work in the area of community mental health. Any real solution of current problems of mental health depends on the training of students, for service and research, in preventive work.—L. B. Heathers.

6153. Polatin, Phillip. Should the psychotherapist be required to have a medical degree? *J. intercollegiate Psychol. Ass.*, 1950, 1, 110-113.—The author thinks that the ideal situation would be to have a sufficient number of well-trained medical psychotherapists to handle all the patients requiring psychotherapy. Since this is not realizable in the near future, non-medical psychotherapists "can be utilized as aids for psychotherapy, but only under

the most rigidly controlled conditions and only after fulfilling specific requirements."—H. Feifel.

6154. Schofield, William. (U. Minnesota, Minneapolis.) Research trends in clinical psychology. *J. clin. Psychol.*, 1950, 6, 148-152.—The research articles in the area of clinical psychology published in four professional journals are counted and roughly classified. The author finds the results of his research disappointing as to both the quantity and quality of the research being done.—L. B. Heathers.

6155. Thaler, Margaret. (U. Colorado Med. Center, Denver.) The role of a psychologist in a traveling psychiatric clinic. *Ment. Hyg., N. Y.*, 1950, 34, 219-227.—Thaler describes the program and functions of a traveling psychiatric clinic with special reference to the part the psychologist plays in association with the psychiatrist and social worker. The psychologist examines the child psychometrically while the psychiatrist is interviewing the parent. Conferences between the psychiatrist, psychologist, social worker and representatives of interested agencies plan methods to assist local workers to handle the problem most effectively in their own community. The psychologist's role in this program is limited by time to one of "assisting in a diagnostic evaluation of the presenting problem." The psychologist also participates in community-educational projects.—M. A. Seidenfeld.

6156. Woltmann, Adolph G. Should the psychotherapist be required to have a medical degree? *J. intercollegiate Psychol. Ass.*, 1950, 1, 113-122.—The author discusses different definitions of psychotherapy and the attitude of various medical personnel and organizations to the problem of the non-medical psychotherapist. He feels that "once the non-medical therapist has been properly trained and has been recognized as a competent therapist, he should enjoy freedom of action within the limitations of his non-medical background. He should not be kept in dependency and should not be regarded as a helper or technician."—H. Feifel.

(See also abstract 6429)

PHYSIOLOGICAL PSYCHOLOGY

6157. Cook, Ellsworth B., & Wherry, Robert J. (U. S. N. Submarine Base, New London, Conn.) A statistical evaluation of physical fitness tests. *Res. Quart. Amer. Ass. Hlth.*, 1950, 21, 94-111.—The Behnke Step-up Test, Harvard Step-up Test, the Schneider Index of Physical Fitness, and Hand Dynamometer were used to measure 120 submarine enlisted candidates aged 17-26 years. Results indicate that basic pulse rate and pulse responses to violent exercise are individual factors which can be used for classification. Blood pressure was also found of value in characterizing individuals. Suggestions are made for a hierarchy of functions that can be used as a screen for selection purposes.—M. A. Seidenfeld.

6158. Huizinga, J. The digital formula in relation to age, sex and constitutional type. II. *Proc. Kon. Ned. Akad. v. Wet.*, 1949, 52, 587-593.—This article is a continuation of one previously reported (see 24: 927). The literature survey is completed with respect to the cause of individual differences and an investigation is reported on the digital formula as a function of sex, age, and constitutional type. Anthropometric measurements were made of 1454 males and 858 females. Results show that the digital formula varies with sex and age, but not with constitutional type (using Kretschmer's typological categories). 19-item bibliography.—R. W. Burnham.

6159. Liberson, W. T. Electroencephalography. *Amer. J. Psychiat.*, 1950, 106, 507-510.—Review of psychiatric progress 1949; 56-item bibliography.

(See also abstracts 6399, 6441, 6562)

NERVOUS SYSTEM

6160. Atanackovic, D., & Dalgaard-Mikkelsen, Sv. (U. Ghent, Belgium.) Procaine and autonomic innervation. *Proc. Soc. exp. Biol.*, N. Y., 1950, 74, 55-56.—By studying 24 dogs anaesthetized with chloralose the effect of procaine is reported as follows: (1) The drug first paralyzes the parasympathetic and next the sympathetic synapses; (2) It suppresses the nitotinic and muscarinic effects of acetylcholine on the heart; (3) Procaine curarizes "first the intercostal respiratory muscles, then the diaphragm and finally the skeletal muscles;" (4) It protects against "most symptoms of intoxication induced by physostigmine."—L. A. Pennington.

(See also abstracts 6133, 6171, 6481)

RECEPTIVE AND PERCEPTUAL PROCESSES

6161. Bakan, David. An investigation of the effect of sensory deprivation on stall perception. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 29-34.—Abstract of Ph.D. thesis.

6162. Dixon, James C. Effect of exposure time and fixation point on perception of grouped digits. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 338-339. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6163. Good, Michael G. (Hampstead General Hosp., London, Eng.) A general theory of pain. *Acta med. orient.*, Jerusalem, 1949, 8, 232-243.—The author sets forth his general theory of pain according to which the common denominator of all pain mechanism is decreased blood flow leading to oxygen want or hypoxia. Pain, wherever it may occur, whether organic, functional, psychosomatic, psychic, imaginary, or simulated, is in the majority of cases due to a reduced local blood flow incapable of supplying the organ or tissue with the oxygen

required for adequate function. An extended bibliography.—F. C. Sumner.

6164. Rosenthal, Sol Roy. (U. Illinois Coll. Med., Chicago.) Histamine as possible chemical mediator for cutaneous pain. Dual pain response to histamine. *Proc. Soc. exp. Biol.*, N. Y., 1950, 74, 167-170.—The verbal reactions of 40 adult human subjects to controlled cutaneous injections of histamine, when analyzed, show the drug to be accompanied by immediate as well as latent pain sensations. "The intensity and the duration of the response are directly proportional to the concentration . . . and the lapse of time between the primary and the latent . . . response is inversely proportional" to the dosage. It is concluded that these data support the theory that histamine "may be the chemical mediator for cutaneous pain."—L. A. Pennington.

(See also abstract 6557)

VISION

6165. Attneave, Fred (U. Mississippi, University), & McReynolds, Paul. A visual beat phenomenon. *Amer. J. Psychol.*, 1950, 63, 107-110.—The "flicker beat" can be produced by causing two Strobotacs to cast flickering lights upon the same surface. The detailed specifications for its occurrence and control are described in terms of some experimental observations.—S. C. Ericksen.

6166. Bakan, Paul. An experimental investigation of the size-constancy phenomenon. *J. intercollegiate Psychol. Ass.*, 1950, 1, 123-128.—"An experiment was performed to investigate size-judgments of visual "targets" consisting of thin stakes photographed at different distances. Each photograph also showed a set of comparison stakes in the foreground. Results were reported on the accuracy of size-constancy judgments of the "target stakes" as a function of the differences between monocular and binocular regard. No significant judgmental differences were found. Results are explained in terms of a monocular hypothesis of size-constancy. Failure of differential accuracy-estimates is discussed in connection with elimination of possible distance-cues due to convergence. Comparison is made with the findings of previous workers. 4 hypotheses suggested by the results are stated."—H. Feifel.

6167. Birren, James E., Bick, Malcolm W., & Yiengst, Marvin. (National Institutes of Health, Bethesda, Md.) The relation of structural changes of the eye and vitamin A to elevation of the light threshold in later life. *J. exp. Psychol.*, 1950, 40, 260-266.—"Studies were made of the relation of the minimum light threshold to changes in the retina and transmission system of the eye. A total of 109 male subjects, aged 40-83, was observed. . . . In addition to a significant age decline in visual sensitivity as revealed by the light threshold, there was observed a high prevalence of changes in the retina, macula, and transmission system of the older eye.

The light threshold of the older subjects was correlated with the presence of retinal degeneration. . . . Results of vitamin A determinations indicated a lack of age change in serum vitamin A and a lack of correlation between the age change in light threshold and serum vitamin A."—R. B. Ammons.

6168. Bouman, M. A., & van der Velden, H. A. (Physich Laboratorium, Utrecht, Netherlands.) The two-quanta explanation of the dependence of the threshold values on the visual angle and the time of observation. *Docum. Ophthalmol., Gravenh.*, 1949, 3, 324-327.—On the basis of the theory of quantum fluctuations, the authors conclude from various experiments that the minimum number (n) of quanta which must be absorbed by the rods in order to elicit a visual response is 2, as compared to an n of 5 to 8 indicated by Hecht, Schlaer and Pirenne.—F. C. Sumner.

6169. Brožek, Josef; Simonson, Ernst, & Keys, Ancel. (U. Minnesota, Minneapolis.) Changes in performance and in ocular functions resulting from strenuous visual inspection. *Amer. J. Psychol.*, 1950, 63, 51-66.—Strenuous visual work, involving identification of very small, moving letters was carried on by 6 young men for 2 hr. under 2 ft. c. and for 4 hr. under 5 ft. c. Gradual decrements in accuracy occurred in both conditions. The blinking-rate showed no significant increase but the flicker-fusion frequency dropped slightly after 2 hr. and 4 hr. of work. Results of ophthalmological tests and eye-movement measurements are analyzed together with subjective reports from the Ss. Additional data obtained in 2 hr. experiments at 5 to 300 ft. c. confirmed the usefulness of the performance-score as a measure of visual strain.—S. C. Ericksen.

6170. Carmichael, Leonard. (Tufts Coll., Medford, Mass.) Perceptual assimilation in a stereoscopic illusion. *Amer. J. Psychol.*, 1950, 63, 112-113.—Viewing a Kodachrome transparency picture at a later date and from exactly the same spot from which it had been taken provided a distinct stereoscopic effect. It is thought that an analysis of effect may contribute to our understanding of distance perception in natural landscapes.—S. C. Ericksen.

6171. Clark, W. E. Le Gros. (Oxford U., Eng.) The laminar pattern of the lateral geniculate nucleus considered in relation to colour vision. *Docum. Ophthalmol., Gravenh.*, 1949, 3, 57-64.—Presumptive evidences of a relationship between the laminar pattern of the geniculate nucleus and colour vision are cited: (1) the rapid degeneration of 3 of the 6 pairs of laminae if one eye is removed; (2) correlations of localized areas of degeneration in the geniculate nucleus with circumscribed visual field defects of known extent, particularly correlations of the 3 laminae of each eye with trichromasty. Further lines of enquiry which may be pursued in an attempt to complete the evidence are suggested.—F. C. Sumner.

6172. Granit, Ragnar. (Nobel Institute for Neurophysiology, Stockholm.) The analysis of retinal

elements by the microelectrode technique. *Docum. Ophthalmol., Gravenh.*, 1949, 3, 65-93.—A description of the author's micro-electrode technique for recording action potentials from single fibres of the optic nerve prefaces an account of 3 methods of analyzing colour reception by this technique: (1) comparison of the almost pure rod-retina of the guinea pig with the mixed, but still rod-dominated retina of the cat; (2) selective adaptation in order to remove or depress certain components of the complex response; (3) electrical polarization of the retina. The purely objective evidence is in terms of modulations of the action potentials. Discussion.—F. C. Sumner.

6173. Hartridge, H. (M. R. C. Vision Research Unit, London, Eng.) The polychromatic theory. *Docum. Ophthalmol., Gravenh.*, 1949, 3, 166-193.—Evidence is set forth supporting the polychromatic theory which assumes that human vision is mediated by several types of receptors grouped together in units: (1) the principal unit comprising 3 receptor types: for red, green, and blue; (2) a subsidiary unit comprising receptors for yellow and for blue; (3) a subsidiary unit comprising receptors for blue-green and for red. The evidence supporting the theory is discussed under the following captions: (1) the constancy of white; (2) the alterations in vision brought about by a reduction of visual angle; (3) the effects on colour vision of reducing light intensity; (4) reduced foveal colour vision; (5) the colour vision of the peripheral retina; (6) hue discrimination; (7) colour mixture; (8) subjective colours when using conditioning stimuli; (9) the fixation points of the different spectral colours.—F. C. Sumner.

6174. Holmes, J. G. (Holophane Ltd., London, Eng.) Colour recognition of very small light sources. *Docum. Ophthalmol., Gravenh.*, 1949, 3, 240-250.—256 test colours from a filter type colour mixture were exposed for 4 seconds each. The lights, having the same photopic brightness, were observed from a 12 foot distance with the field size varying from 0.7 to 40 minutes of arc. 50 subjects with normal colour vision, dark adapted, and with binocular vision made 45,000 observations. Red was found the best colour for signals. Yellow and white were distinct, but white becomes yellowish at low colour temperature. There was no safe tolerance for yellow between white and red. Green and blue were distinct at high illumination but confused at low. The findings are related to their significance for colored signals.—F. C. Sumner.

6175. Ireland, Fred H. (Fordham U., New York.) A comparison of critical flicker frequencies under conditions of monocular and binocular stimulation. *J. exp. Psychol.*, 1950, 40, 282-286.—"24 subjects were tested with an electronic flicker apparatus. Four conditions of stimulation were investigated: (a) monocular flicker, dominant eye; (b) monocular flicker, non-dominant eye; (c) binocular flicker, out-of-phase; and (d) binocular flicker, in-phase. Results indicate clearly that, compared to monocular CFF, the CFF for binocular in-phase stimulation is

reliably higher, while that for binocular out-of-phase stimulation is reliably lower. In view of these frequency shifts, obtained during binocular stimulation, it seems necessary to postulate some interaction between the two eyes, an interaction which seems possible only by way of some central mechanism of the brain."—R. B. Ammons.

6176. Ivanoff, A. (*Museum National d'Histoire Naturelle, Paris, France.*) **Chromatic aberration of the eye.** *Docum. Ophthalm., Gravenh.*, 1949, 3, 322-323.—The author uses a new method of measuring the spherical and chromatic aberrations of the eye which is an elaboration of the method of "Maxwellian view" and which measures the aberration by putting in line 2 needles which, through aberration, will be out of line, the more so the greater the aberration which is present. He obtains for 11 subjects (taking the chromatic aberration at 589 m μ as zero) the following average results: + 0.99 diopters for 452.5 m μ ; + 0.45 diopters for 514 m μ ; - 0.44 diopters for 712 m μ .—F. C. Sumner.

6177. Kephart, Newell C., & Wissel, Joseph W. (*Purdue U., Lafayette, Ind.*) **Variations in visual acuity of a group without major refractive errors.** *Amer. J. Optom.*, 1950, 27, 95-99.—57 students with refractive errors of less than 0.75 D. were rated on the checker-board acuity tests of the orthorater, monocularly and binocularly, far and near. Ranges of score values on the six tests were from 5 to 8 for this rigidly selected group. Statistical analysis indicated that variation in this group is similar to that in an unselected population for whom the tests were designed to show normal distribution.—M. R. Stoll.

6178. Knox, George W., & Ellerbrock, Vincent J. (*Ohio State U., Columbus.*) **Light, vision and lenses.** Columbus, O.: Scioto Printing Co., 1950. xxxv, 350 p. \$6.00.—The authors present a survey of the basic principles of the seeing process. The 35 chapters are grouped into 3 major sections (1) the nature of the light stimulus, especially as it pertains to image formation, (2) the visual mechanism including anatomical structures, pathological conditions, and physiological and psychological processes, (3) the use of lenses for the control of light in the interest of correcting various visual anomalies. The authors present the basic concepts of geometrical optics and the optometric clinical examination of refractive conditions and ocular motility anomalies and abilities.—M. Alpern.

6179. Köhler, Wolfgang, & Fishback, Julia. (*Swarthmore Coll., Pa.*) **The destruction of the Müller-Lyer illusion in repeated trials: I. An examination of two theories.** *J. exp. Psychol.*, 1950, 40, 267-281.—A series of observations are reported on the effects of repeated presentation of the Müller-Lyer illusion. A number of findings seem to support the thesis that the destruction of the Müller-Lyer illusion by repeated measurements is due to satiation rather than learning. Evidence includes: (1) destruction when Ss have no knowledge of results; (2) destruction when measurements are largely re-

placed by satiation periods; (3) failure of destruction with some Ss; (4) after effects to be expected if satiation had taken place; (5) failure of destruction in one position to be accompanied by destruction in other positions; (6) failure of destruction with tachistoscopic presentations.—R. B. Ammons.

6180. Krauss, S. (*Medical School, Newcastle-upon-Tyne, Eng.*) **Phenomena observed in veiled colours.** *Docum. Ophthalm., Gravenh.*, 1949, 3, 318-323.—According to the Purkinje phenomenon colours change in value at different levels of illumination. In the present experiment it was a question of ascertaining what happens if, instead of reducing the illumination of the room, a dark veil is introduced between the eye and the visual object—the veil being provided by a black episkotister. The experiment was carried out in a dark room. Red and blue representing the long and short wave ends of the spectrum respectively, both desaturate, blue tending towards white as in the Purkinje phenomenon and red towards black. Similar veils also produce an increase and acceleration of simultaneous colour contrast.—F. C. Sumner.

6181. Ludvig, Elek J. **A hypothesis concerning amblyopia ex anopsia.** *Arch. Ophthalm., Chicago*, 1950, 43, 397.—Abstract.

6182. MacAdam, David L. (*Eastman Kodak Co., Rochester, N. Y.*) **Colour discrimination and the influence of colour contrast on acuity.** *Docum. Ophthalm., Gravenh.*, 1949, 3, 214-239.—Just noticeable differences of colours as obtained on the standard form of the colour triangle adopted internationally for the technical specification of colour (chromaticity diagram) are found not equal in different regions of the diagram nor for different directions of separation in a single region. These j.n.d.'s in any region assume an elliptical form when a fixed colour is represented by the center and when all comparison colours are equally bright. Such regional ellipses of j.n.d.'s vary in size and direction for different regions. The influence of the colour of the surrounding field is found to modify the shape of the ellipse.—F. C. Sumner.

6183. Marg, Elwin, & Morgan, Meredith W., Jr. (*U. California, Berkeley.*) **Further investigation of the pupillary near reflex; the effect of accommodation, fusional convergence and the proximity factor on pupillary diameter.** *Amer. J. Optom.*, 1950, 27, 217-225.—10 student subjects were examined with a haploscope carrying a point-source optometer with Koenig bars for fixation. The stimulus to accommodation was varied with lenses at four fixation distances. Only one subject indicated some possible influence of the psychic factor of nearness on pupil size. Accommodation usually appears to initiate the pupillary reflex with fusional convergence playing a part in about half the cases.—M. R. Stoll.

6184. Marsh, Burton W. **Report of Committee on Night Visibility.** *Proc. Highw. Res. Bd.*, 1948, 28, 508-513.—The objectives of the Committee are: (1) To assemble results of researches in the whole field of night seeing and to determine wherein additional

researches are needed; (2) To encourage organizations and persons fitted to do so to conduct needed researches on subjects relating to night visibility; and (3) To coordinate and bring to public attention, results of researches on night visibility. The Committee reports its discussion to date and states its plans for further study. Subjects under scrutiny are: Headlight dimming or depressing, use of colored eyeglasses for reducing glare, highway lighting, roadway delineation, and polarized motor vehicle headlighting.—C. P. Froehlich.

6185. Mueller, C. G. (Columbia U., New York.) Quantum concepts in visual intensity-discrimination. *Amer. J. Psychol.*, 1950, 63, 92-100.—One formulation considers the possibility that the eye is brought to some fixed condition or state by the adapting stimulus and that a second stimulus must deliver m absorbed quanta or more in order for a brightness difference to be seen. Two related treatments are also analyzed and discussed with a suggested solution.—S. C. Ericksen.

6186. Pitt, F. H. G. (Kodak Research Laboratories, Harrow, Middlesex, Eng.) Some aspects of anomalous vision. *Docum. Ophthalm., Gravenh.*, 1949, 3, 307-317.—Chromaticity diagrams of normal, protanomalous, protanopic and deuteranomalous subjects are compared.—F. C. Sumner.

6187. Polyak, S. (U. Chicago, Ill.), & Willmer, E. N. Retinal structure and colour vision. *Docum. Ophthalm., Gravenh.*, 1949, 3, 24-56.—The complex structure of the retina is described and illustrated. Extremely important as the photoreceptors (rods and cones) are as initiators of the processes underlying vision, there is a host of other structures in the retina and in the remainder of the visual system, far too numerous to be ignored. The different bipolars, horizontals, amacrine, ganglion cells and other structures, with their numerous and different but specific contacts, are there for some definite purpose, each performing its own specific role in the function of the complex whole. It is the task of further analysis, therefore, to identify these specific functions and to assign them to particular structural constituents.—F. C. Sumner.

6188. Stiles, W. S. (National Physical Laboratory, Teddington, Middlesex, Eng.) Increment thresholds and the mechanisms of colour vision. *Docum. Ophthalm., Gravenh.*, 1949, 3, 138-165.—Experimentation is reported relative to thresholds of difference in color sensitivity between a uniform adapting field and a small superimposed patch of light—the monochromatic test stimulus. Differential thresholds for various wave lengths (red, green, blue) are compared for foveal and parafoveal regions of retina.—F. C. Sumner.

6189. Wald, George. (Harvard U., Cambridge, Mass.) The photochemistry of vision. *Docum. Ophthalm., Gravenh.*, 1949, 3, 94-137.—The history and present status of research on the photosensitive pigments of the retina: rhodopsin (visual purple); porphyropsin; iodopsin are reviewed. The effects of varying the wave length upon each of these photo-

sensitive pigments of the rods and cones and the effects of colour filters in the human eye upon spectral sensitivity of all vision, rod and cone, central and peripheral, are discussed.—F. C. Sumner.

6190. Weber, Robert A. (Harvard U., Boston, Mass.) Ocular fatigue. *Arch. Ophthalm., Chicago*, 1950, 43, 257-264.—The writer concludes that within the usual ranges in which the eyes are used, there is no demonstrable decrease in ability as a result of a day's work.—S. Ross.

6191. Weitz, Joseph. (Carnegie Inst. Tech., Pittsburgh, Pa.), & Compton, Bertita. A further stereoscopic study of figural after-effects. *Amer. J. Psychol.*, 1950, 63, 78-83.—25 college women made the observations under three different arrangements using a 4 min. pre-fixation inspection period with the left eye followed immediately with a 4 min. fixation on the test figures with the right eye; the pre-fixation period was omitted in the fourth arrangement. The high variability of the results is generally inconclusive with the marked exception that the same types of changes occur in the circle without previous fixation as occur in the squares either with or without previous fixation. The results are interpreted as being unrelated to Kohler's theory and cannot be called figural after-effects.—S. C. Ericksen.

6192. Willmer, E. N. (Cambridge U., Eng.) Colour vision in the central fovea. *Docum. Ophthalm., Gravenh.*, 1949, 3, 194-213.—Spectral sensitivities of the fovea are comparatively plotted for protanopes, deuteranopes (Types 1 and 2) and normal observers and a theory of the evolution of the retinal structure is advanced.—F. C. Sumner.

6193. Witkin, H. A. (Brooklyn (N. Y.) Coll.) Perception of body position and of the position of the visual field. *Psychol. Monogr.*, 1949, 63(7), Whole No. 302, iii, 46 p.—12 men and 33 women were placed in a tilting-room-tilting-chair apparatus which allowed displacement of the body and field to left or right by any amount up to 35°. With movement of the room it was found there was a strong illusion of body movement. In another group of 54 subjects in which both the room and body were tilted it was found that judgments of posture and position were related not only to body movement itself but to the relation of body movement with the room position. There was confusion in kinesthetic perceptions when visual perceptions were oriented to the tilted room.—M. A. Seidenfeld.

6194. Wright, W. D. (Imperial College of Science, London, Eng.) The present status of the trichromatic theory. *Docum. Ophthalm., Gravenh.*, 1949, 3, 10-23.—The bearings of the chief subjective phenomena on the trichromatic theory are reviewed in an attempt to assess the ability of the theory to provide an adequate explanation of phenomena of (1) colour sensations; (2) discrimination; (3) defective colour vision; (4) adaptation, contrast, after-images; (5) field size, retinal position; (6) visual acuity. In conclusion the author believes the survey demonstrates that some form of trichromatic theory can account for most of those phenomena in colour

for which an explanation in terms of receptor processes is to be expected.—F. C. Sumner.

(See also abstract 6206)

AUDITION

6195. Howes, Davis H. (Harvard U., Cambridge, Mass.) The loudness of multicomponent tones. *Amer. J. Psychol.*, 1950, 63, 1-30.—As a reinvestigation of the Fletcher and Munson scale for the measurement of loudness (see 8: 1463) the present author used frequencies that were not harmonically related; the loudness-ratio (sone) and mel scales were used as measuring units. The loudness of complex tones consisting of from one to 11 equally loud components was found to be equal to the sum of the loudnesses of the several components. Additivity begins to break down when the components mask each other. Further analysis of the data was found to be consistent with the hypothesis that the loudness of a complex tone is the sum of the loudness of its components. A formula for the calculation of the loudness of multi-component tones is presented. The contrary results for masked thresholds of audibility are thought to indicate the possibility that different processes are involved. A model based on the results is suggested.—S. C. Ericksen.

6196. Mygind, S. H. Structure et fonction du labyrinthe statique. (Structure and static function of the labyrinth.) *Acta neurol. psychiat. Belg.*, 1949, 49, 169-204.—The anatomy and reactions to stimulation of the equilibrium apparatus are illustrated and explained and experimental evidence is presented from animals. It is concluded that the labyrinth constitutes a cutaneous organ especially arranged. Its adequate stimulus is a pressure (or a variation of pressure) which releases motor reaction directed in the opposite direction, comparable to familiar cutaneous reflexes.—F. C. Sumner.

6197. Pattie, Frank A. (U. Kentucky, Lexington.) The genuineness of unilateral deafness produced by hypnosis. *Amer. J. Psychol.*, 1950, 63, 84-86.—From 12 somnambulistic Ss only 4 appeared to show unilateral deafness. A tone of 500 c.p.s. was led into one ear and into the other a tone of 1 to 3 c.p.s. higher resulting in "beats" if the "deaf" ear is really functioning. In all four Ss the allegedly deaf ear was functioning.—S. C. Ericksen.

(See also abstracts 6230, 6488)

RESPONSE PROCESSES

6198. Allen, Clifford. A study of sexual mutilations. *Int. J. Sexol.*, 1948, 2, 102-107; 1949, 2, 158-161.—Sexual mutilations are described as found in ancient times and in tribes of Africa and Australia. Such mutilations apparently "satisfied some strong psychological impulse in primitive people and, since they still persist in modified forms, possibly continue to satisfy unconscious longings even in the highly civilized."—C. R. Adams.

6199. Bassett, Marion P. (88 Morningside Drive, New York.) Psychosomatic theory applies to sex above all else. *Int. J. Sexol.*, 1949, 3, 12-15.—By experience men and women learn that mental and emotional states have a more profound effect upon their sexual responses than does physical condition. But coitus means far more to the female than the male not only because her sexual organs are within her body but also because pregnancy may follow. Only by a man imagining a reversal of roles can he gain empathy and enrich the husband-wife relationship and create a reciprocal "glowing, sparkling feeling."—C. R. Adams.

6200. Bergler, Edmund. Morning erections. *Int. J. Sexol.*, 1950, 3, 141-144.—After criticizing the common explanations that morning erections are caused by bladder fullness and/or proof of sexual power, the psychoanalyst-author suggests that the basic reasons are that first sleep releases unconscious wishes and restores energy and/or second, that reproaches of conscience bring a defensive mobilization of sex resulting in a wish fulfillment dream on the libidinous side, or a punishment dream on the thanatic side. Both of these factors are psychologically conditioned, and the number of sex dreams is not only partially correlated with sexual appetite but also expresses an emergency situation in the "battle of conscience."—C. R. Adams.

6201. Bohm, Ewald. (Statholdervej 7, Copenhagen, Denmark.) The influence of the vacancy factor on sexual need and choice of partner. *Int. J. Sexol.*, 1949, 3, 101-103.—Strength and direction of sexual drive depend upon endocrine factors, instinctive constitution, initial types of sexual objects, sexually conditioned reflexes, and presence or absence of a sexual partner (vacancy factor with its opposite being sexual oversaturation). "The requirements made on the sexual partner depend on the vacancy situation." When vacancy is acute, requirements are much less stringent. When there is a constant vacancy situation, the circumstances may lead to emergency homosexuality, conversion of libidinal energy into anxiety, or to aggression.—C. R. Adams.

6202. Carver, A. E. (Caldecote Hall, Nuneaton, Eng.) The interrelationship of sex and alcohol. *Int. J. Sexol.*, 1948, 2, 78-81.—Although narcotic, alcohol's "apparent stimulation is really due to a relaxing of higher level inhibitions" first blunting critical self-consciousness and thereby alleviating mental conflict. One result is that with cultural restraints removed, an adolescent girl may be "easy prey to seduction." In both sexes alcohol often serves to facilitate all forms of sexual activity but large doses of alcohol may be required in homosexuality and incest.—C. R. Adams.

6203. Chesser, Eustace. Minor sex deviations and marital adjustment. *Int. J. Sexol.*, 1949, 2, 228-234.—This physician-author does not divide abnormalities into major and minor types but considers only the degree to which they exist since he feels that, to some extent, they are present in most

normal individuals. Sexual deviations may aid some husband-wife adjustments and, in some cases, a marked abnormality does not mar the love-relationship. If the couple are happy in their union, they are advised to accept matters as they are. He believes anything is permissible in precoital behavior providing it does not become an end in itself, is acceptable to both parties, and is injurious to neither.—C. R. Adams.

6204. Della, Dan G. (Delano (Calif.) Joint Union High Sch.) Individual differences in foot leverage in relation to jumping performance. *Res. Quart. Amer. Ass. Hlth*, 1950, 21, 11-19.—"Foot-lever measurements of 47 high school track athletes were obtained in order to determine if some particular type of foot was of value in jumping as measured by the Sargent jump, the average standing broad jump, and the running high jump." This experiment was designed to test the Campbell hypothesis that "a relatively long heel-to-ankle construction of the foot is advantageous" and the Howell theory that "a relatively long ankle-to-toe measurement is best suited to jumping." On the basis of the reported findings, the Howell concept appears to be substantiated.—M. A. Seidenfeld.

6205. de Moragas, Jeronimo. Ensayo sobre psicomotricidad. (Essay on psychomotor activity.) *Rev. Psicol. gen. apl.*, Madrid, 1949, 4, 239-257.—Psychomotor activity can be understood as a function of a biosocial whole rather than as the physical facet of a dualistically conceived organism. The most apparently physical reflexive activity is rooted in such psychological processes as emotions, intellectual capacity, etc. Similarly the most apparently psychological expressions as smiling and crying are not independent of biological mechanisms. Every movement is an adjustment of the individual in space and integrates action, thought, and emotion into a unit from which neither of these three elements can be excised. Examples are given of various psychomotor disturbances which reflect these principles.—G. Elias.

6206. Dreher, Jack, & Streisfeld, Helene. The effect of unequal strengths of reaction potential on the resolving of motor conflicts in an incompatible response situation. *J. intercollegiate Psychol. Ass.*, 1949, 1, 98-103.—The authors investigated the problem of "when a subject is simultaneously presented with two light stimuli which have been associated with two incompatible motor reactions, will the reaction whose momentary reaction potential is greater be evoked, and in what strength?" 33 college students were the subject of the experiment. The findings "would seem to indicate that when an organism is simultaneously presented with two stimuli giving rise to conflicting responses, the response whose reaction potential is greater will be evoked."—H. Feifel.

6207. Dryman, Irving A., & Valenstein, Elliot S. A preliminary study of the development of the cat's response to moving objects. *J. intercollegiate Psychol. Ass.*, 1949, 1, 68-73.—The authors state

that the "assumptions made by early investigators relating to the cat's responses to rats represent an oversimplification of the problem, because of an undue phenomenological emphasis. A refocussing of the problem in the light of different methodological premises leads to the following inferences: (1) employment of the genetic method with systematic delineation of the relevant features of the cat's behavioral environment, and (2) analysis of the problem which begins from such experimentation leads to hypotheses concerning the mechanisms underlying the cat's behavior in these situations. Such hypothesized mechanisms can then serve as guides to future research."—H. Feifel.

6208. Eeman, P. D. (Soc. Psychotherapy Centre, London, N.W.3, Eng.) Physiology of the orgasm and psychoanalysis. *Int. J. Sexol.*, 1949, 3, 92-96.—Quoting and commenting from the literature, this writer feels that recurrent orgasmic discharge of tension "has a physiological basis in a recurrent acute sympathicotonia . . . and that in the process of sexual intercourse such sympathetic discharges are a healthy and necessary phenomenon" with the anxiety state representing a failure of normal orgasmic sympathetic discharge. The Oedipus and Electra complexes are conditions of chronic sympathicotonia and the cultural interpretation of these complexes "completely neglects the parasympathetic aspect of healthy homeostatic functioning. . . ." Discussion by Charles Berg p. 96-98.—C. R. Adams.

6209. Elkan, E. Evolution of female orgasmic ability—a biological survey. *Int. J. Sexol.*, 1948, 2, 1-13.—Asserting that female sexual dissatisfaction has a history of not less than 3400 years (*Kamasutram*) and is not a problem confined to any particular race, the writer maintains that orgasm inability is not "identical with either frigidity or impotence." It is the author's thesis that "the history of human female orgasm began when females first became aware of 'differences between male and female enjoyment of intercourse' and became dissatisfied with the inequalities inherent in sexual activity."—C. R. Adams.

6210. Elkan, E. Evolution of female orgasmic ability—a biological survey. *Int. J. Sexol.*, 1948, 2, 84-93.—Woman has always struggled for equality with the male and he has sided with her in the quest for equal orgasm ability. Unlike the male, woman has no automatic copulatory reflex mechanism, so about 50% of women seldom or never experience orgasm and when they do, it is quite different from that of the male. It is theorized that women's susceptibility to orgasm is an evolving trait, and that this susceptibility can be heightened through guidance in obtaining "positive satisfaction from their sex lives."—C. R. Adams.

6211. England, Leonard. (Mass-Observation, London, Eng.) A British sex survey. *Int. J. Sexol.*, 1950, 3, 148-154.—A sex attitude questionnaire was administered by interview to 2000 persons representing "a correct cross section of the British Isles."

From a middle-class group, some 400 volunteers from the "National Panel" were given a *habit* questionnaire asking details about marital intercourse, prostitution, and homosexuality. A postal questionnaire was used with 1000 clergymen, 1000 schoolmasters, and 1000 physicians, all randomly selected. Data received from respondents are presented in a preliminary form.—C. R. Adams.

6212. Gorton, Bernard E. (*Coll. Med., Syracuse U., N. Y.*) The physiology of hypnosis; II. A review of the literature. *Psychiat. Quart.*, 1949, 23, 457-485.—Part II, (see 24: 4386), covers the physiology, pharmacological aspects, hypnotic anesthesia, hypnosis in psychosomatic research, and physiological changes associated with hypnotic age-regression. Hypnosis is shown to be a state identical with the normal waking condition. Hypnotic suggestion is capable of bringing about physiological changes which differ significantly from those produced by suggestion in the waking state. Discoveries in the future are predicted in this field which science is just beginning to explore. 138-item bibliography.—M. P. Klinger.

6213. Grafenberg, Ernest. (865 Park Ave., New York.) The role of urethra in female orgasm. *Int. J. Sexol.*, 1950, 3, 144-145.—After maintaining that lack of orgasm and frigidity are far from identical and that even a frigid woman may enjoy orgasm, he proposes that the clitoris is not the sole factor involved in arousal of female sexual excitation. In his gynecological examination of women, the author says "an erotic zone always could be demonstrated on the anterior wall of the vagina along the course of the urethra." Since this wall is a distinct erotogenic zone it must be given more attention in the treatment of female sexual deficiency.—C. R. Adams.

6214. Hardenbergh, E. W. (*Pennsylvania State Coll., State College.*) The psychology of feminine sex experience. *Int. J. Sexol.*, 1949, 2, 224-228.—Utilizing the responses of a 25-item anonymous questionnaire, the author studied the feelings that 39 women (some 20-30 years of age married for 6 months to 10 years) reported during four phases of sexual intercourse: precoital lovemaking, after intromission of the penis, during the climax, and after the climax. She concluded that the climax lasts approximately 12-15 seconds and that orgasm is characterized by general bodily excitement. Response to stimulation occurred mainly at the clitoris or the vagina near the clitoris.—C. R. Adams.

6215. Hupprich, Florence L., & Sigerseth, Peter O. (*Oregon State Coll., Corvallis.*) The specificity of flexibility in girls. *Res. Quart. Amer. Ass. Hlth.*, 1950, 21, 25-33.—An experimental study of flexibility of 300 girls, age 6 to 18 years. S's were in attendance at public schools and the University of Oregon. A total of 12 measurements of flexibility of movement were obtained on each girl. The results indicated that, "flexibility in girls is a function of specific factors and not a general factor, and that the areas of the girls' bodies, for the most part, became progressively more flexible from childhood to

adolescence and then they became progressively less flexible after adolescence.—M. A. Seidenfeld.

6216. Janowitz, Henry D., & Grossman, M. I. (*U. Illinois Coll. Med., Chicago.*) Hunger and appetite: some definitions and concepts. *Mt. Sinai Hosp. J., N. Y.*, 1949, 16, 231-240.—A distinction is made between hunger and appetite. Hunger, the bodily state arising from deprivation of food, manifests itself in the form of hunger behavior and hunger sensations. Appetite, on the other hand, arises in connection with learning or conditioning of the animal or man to an association between ingestion of food and subsidence of hunger sensations and behavior so that the hunger sensation gives rise to the desire to eat. Ingestion of food leads to inhibition of the appetitive behavior and is accompanied by a loss of the desire to eat (satiety or physiologic anorexia).—F. C. Sumner.

6217. Ley, A. L'alcool et les temps de réaction. (Alcohol and reaction time.) *Bull. Serv. psychotech. Soc. Nat. Chemins Fer belg.*, 1946, No. 8, 1-3.—The author recalls the studies of Kraepelin and of Miles on the influence of alcohol, taken in small doses, on reaction time. This influence is especially unfortunate when the alcohol is taken by young people, and it manifests itself particularly in the reaction time of selection. Consequently alcohol should be absolutely forbidden to drivers of locomotives, autos, etc.—R. Piret.

6218. Ramsey, Glenn V. (*U. Texas, Austin.*) A survey evaluation of the Kinsey Report. *J. clin. Psychol.*, 1950, 6, 133-143.—A brief questionnaire stating approval or disapproval on continuing the Kinsey research project was sent to the 330 Fellows in the Division of Clinical and Abnormal Psychology. 90% of those contacted responded. About 95% expressed some degree of approval for the project. Men were somewhat more accepting than women; those born after 1900, than those born prior to 1900. Comments of the respondents were classified and sample comments are discussed. Errors in fact reflected in these comments are also discussed.—L. B. Heathers.

6219. Scow, J., Krasno, L. R., & Ivy, A. C. (*Northwestern U. Med. Sch., Chicago, Ill.*) The immediate and accumulative effect on psychomotor performance of exposure to hypoxia, high altitude and hyperventilation. *J. Aviat. Med.*, 1950, 21, 79-81.—Four psychomotor tests (measurement of CFF, pursuitmeter, steadiness and rate of tapping) were administered to varying groups of subjects under several conditions. Exposure to an altitude of 18,000 ft. for one hour without supplemental oxygen caused a deterioration in performance on all tests. Hyperventilation just short of tetany for one hour every other day during ten days did not affect performance. Exposures to an altitude of 35,000 ft. with 100% oxygen resulted in performance no different from that at ground level.—A. Chapanis.

6220. Strickland, B. A., Jr., Hahn, George L., & Adler, Harry. (*Randolph Field, Tex.*) Studies on airsickness. *J. Aviat. Med.*, 1950, 21, 90-97; 163.—

Several experiments are reported on a total of 485 subjects. In one, 216 subjects rode in aircraft which simulated flight through turbulent air. Among men who received dramamine before the flight, 28.7% became airsick; among those who received a placebo, 55.6% became airsick. In another experiment, hyoscine hydrobromide was compared with dramamine. Hyoscine appears to be the better preventative although the difference is significant only at the 6% level. Dramamine produced undesirable side effects in 8.7% of the subjects; hyoscine produced a sensation of dryness of the mouth in 15% of the men. Dramamine does not adversely affect performance on complex coordination or reaction time tests.—*A. Chapanis.*

6221. von Urban, Rudolf. *Sex perfection and marital happiness.* New York: Dial Press, 1949. xi, 263 p. \$3.50.—In support of a thesis of sex perfection, the author discusses sex development of children, talking to children about sex, masturbation, rules of sex intercourse, birth control, impotence and frigidity, and love choice. 210-item glossary.—*A. J. Sprov.*

6222. Witkin, H. A. (*Brooklyn Coll., N. Y.*), & Wapner, S. *Visual factors in the maintenance of upright posture.* *Amer. J. Psychol.*, 1950, 63, 31-50.—A diagram of the ataximeter used with 36 male and 37 female college student subjects is presented. The results indicate that with weakening of the visual field, there occurred an increase in body-sway and when the visual field was made unstable further unsteadiness was observed. Striking individual differences and sex differences were found. A standardized means of measuring the importance of visual factors in the maintenance of posture was developed.—*S. C. Ericksen.*

(See also abstract 6197)

COMPLEX PROCESSES AND ORGANIZATIONS

6223. Beck, Lester F. (*U. Oregon, Eugene.*) *Hypnotic behavior.* 16 mm. film, sound, black-and-white, running time 24 minutes. Distributed by Association Films, 35 West 45th St., New York. \$4.50 daily rental, \$85. sale.—This film deals with the common phenomena of hypnosis. To allow observation and study of individual differences in response to the same suggestions, the experiments recorded employ two subjects. The film demonstrates induction of the trance, eyelid and arm catalepsy, insensibility to pain, abnormal thermal, gustatory and olfactory illusions, blindness and deafness, awakening from the trance, post-hypnotic amnesia, and execution of two complex post-hypnotic suggestions. The final sequence in the film shows the subjects looking at an illustrated magazine. In accordance with suggestions given in the trance state, one subject sees all pictures on right-hand pages as amusing, while to the other subject they are depressing.—*R. A. Littman.*

6224. Ellis, Albert. (*56 Park Ave., New York.*) *A study of the love emotions of American college girls.* *Int. J. Sexol.*, 1949, 3, 15-21.—To 500 girls in 19 American colleges was administered a questionnaire on love and family relations. The median age of the subjects was 20 years and the median age of the most-loved male at the time she fell in love with him was 20 years when he was two or more years older than she. The median girl loved a male 5 ft. 10 in. tall weighing about 165 lbs. 92% of the girls felt the male's love for them had been pretty high to very great. Only 21% of the girls said they no longer maintained any contact with the formerly-loved male.—*C. R. Adams.*

6225. Gibson, William Thornwell, Jr. *The relationships between intelligence and other personality traits.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 101. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6226. Guin, Wyman. (*158 Miramar Dr., Route 1, Lake Beulah, Wis.*) *Numerals and the sexuality of scientific investigation.* *Psychiat. Quart.*, 1949, 23, 490-496.—A method is described for obtaining a formal design of graphic symbols from the Hindu-Arabic numeral which has genital implications to Western Europeans. History and discussion including observation by Freud are included. 6 references.—*M. P. Klinger.*

6227. Hart, Henry Harper. (*1150 Fifth Avenue, New York 28.*) *The integrative function in creativity.* *Psychiat. Quart.*, 1950, 24, 1-16.—The author concludes the integrative tendency of living matter is inherent in the creative urge which must be regarded as primary, not fundamentally defensive, unless we regard survival itself as defensive. Creativity is inherently bound up with symmetry, harmony, and completeness rather than distortion and discord, therefore manifesting the same features as physiological health.—*M. P. Klinger.*

6228. Rapport, Nathan. (*116-25 204 St., St. Albans 11, N. Y.*) *Pleasant dreams.* *Amer. Imago*, 1949, 6, 311-320. (Reprint of 24: 5709.)

6229. Stevenson, Ian. (*Louisiana State U. Sch. Med., New Orleans.*) *Physical symptoms during pleasurable emotional states.* *Psychosom. Med.*, 1950, 12, 98-102.—Thirteen cases are cited in which somatic changes, urination, vomiting, diarrhea, palpitations, etc., during joy or elation as well as when anxious, resentful or depressed.—*J. W. Bowles, Jr.*

(See also abstract 6370)

LEARNING & MEMORY

6230. Elliott, Charles Ray. *An experimental study of the retention of auditory material presented during sleep.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 339. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6231. Estes, William K. (Indiana U., Bloomington.) Effects of competing reactions on the conditioning curve for bar pressing. *J. exp. Psychol.*, 1950, 40, 200-205.—"Two groups of rats were first conditioned to press one bar [Skinner box] for water reinforcement, then conditioned to press the second bar while the first learned response was being extinguished. Acquisition curves obtained under the two conditions appear virtually identical in form, differing only with respect to initial rates of responding. In each experiment, the course of the second conditioning could be predicted accurately from a knowledge of the initial strength of the second response and the parameters of the first conditioning curve. This evidence is regarded as supporting the view that in general the form of conditioning curves is determined to an important extent by the concurrent extinction of competing reactions."—R. B. Ammons.

6232. Fulton, Ruth E., & Prange, Elizabeth M. (U. California, Los Angeles.) Motor learning of highly chosen and unchosen teammates. *Res. Quart. Amer. Ass. Hlth.*, 1950, 21, 126-131.—A study to determine whether or not unchosen teammates differ from highly chosen teammates in learning a new motor skill. The subjects, 79 freshmen and sophomore women enrolled in physical education, were differentiated into "highly chosen" and "unchosen" by sociometric study. The 2 groups did not differ significantly on accuracy and speed scores on the Snoddy Star test, but there was a significant difference in "percent of time pressure was applied to the stylus during the learning period."—M. A. Seidenfeld.

6233. Gleitman, Henry. (U. California, Berkeley.) Studies in motivation and learning: II. Thirsty rats trained in a maze with food but no water; then run hungry. *J. exp. Psychol.*, 1950, 40, 169-174.—"Two groups of 12 rats were run in simple alley maze of Y-shape. The Experimental Group was run with food in one endbox, and neither food nor water in the other; the Control Group was run with food in one and water in the other. . . . All of the animals in the Control Group continued to run to the water side on the first critical trial under hunger motivation. This again confirms the results of Spence and Lippitt. . . . While significantly more animals in the Experimental Group chose the food side on the first critical trial than on the free trial of the fifth day under thirst motivation, it is reasonable to suppose that this difference was due to a fluctuation on the fifth day rather than to latent learning during the training situation."—R. B. Ammons.

6234. Halliday, Robert Wayne. The law of least effort and secondary reinforcement gradients. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 171-172.—Abstract of Ph.D. thesis.

6235. Harlow, Harry F., Harlow, Margaret Kuenne, & Meyer, Donald R. (U. Wisconsin, Madison.) Learning motivated by a manipulation

drive. *J. exp. Psychol.*, 1950, 40, 228-234.—"Four rhesus monkeys were given 12 days' experience in manipulating a mechanical puzzle whose solution did not lead to any special incentive such as food or water. Four matched control subjects had the puzzles placed in their home cages the same period of time, but unassembled. . . . The performance of the two groups was then compared. . . . The experimental monkeys were more efficient than the control monkeys in puzzle solution. . . . Subsequent introduction of food in the puzzle situation tended to disrupt, not facilitate, the learned performances of the experimental subjects. . . . A manipulation drive, strong and extremely persistent, is postulated. . . . It is further postulated that drives of this class represent a form of motivation which may be as primary and as important as the homeostatic drives."—R. B. Ammons.

6236. Jenkins, William O., & Stanley, Julian C., Jr. (Harvard U., Cambridge, Mass.) Partial reinforcement: a review and critique. *Psychol. Bull.*, 1950, 47, 193-234.—Partial reinforcement is defined as incidence of reward on less than 100% of trials or responses. Review of the literature justifies the following empirical generalizations: (1) Response strength is built up somewhat more rapidly under a schedule of 100% reinforcement than under a partial regimen. (2) Post-acquisition performance in partial reinforcement is stable, but usually at a lower level than in the 100% instance. (3) "In almost every experiment, large and significant differences in extinction favoring the groups partially reinforced in conditioning over the 100% ones were found." 71-item bibliography.—M. R. Marks.

6237. Kimble, Gregory A. (Brown U., Providence, R. I.) Evidence for the role of motivation in determining the amount of reminiscence in pursuit rotor learning. *J. exp. Psychol.*, 1950, 40, 248-253.—36 Ss worked approximately 23 min. on the pursuit rotor. Ss practiced in pairs in alternation. Half practiced a 50-sec. work, 60-sec. rest cycle, and half a 5-min. work, 6-min. rest cycle. It appeared that little or no conditioned inhibition developed during massed practice. A comparison made of the scores of the "successful" versus those of the "unsuccessful" members of the pairs in the massed practice group shows the latter to gain more over rest periods. This can be interpreted in the following terms: the poorer performers were more motivated, hence tolerated more reactive inhibition during practice; this was dissipated over rest and hence led to greater gain.—R. B. Ammons.

6238. Korn, Richard R. (New York U.) Vasomotor conditioning and the vascular headache: toward a therapeutic synthesis. *J. intercollegiate Psychol. Ass.*, 1949, 1, 51-67.—"In an experiment necessarily preliminary to the determination of the feasibility of applying verbal vasomotor conditioning procedures therapeutically in the vascular headache, a subject's temporal artery was reliably conditioned to constrict to a bell in two post-conditioning trials 30 minutes apart. Degree of conditioned constrict-

tion in the first trial was 31%, in the second trial, 19% after 5 reinforcements. A hypothesis that initial constriction to the unconditioned stimulus (ice) was caused by pressure of supervening muscle tension was tested and rejected."—H. Feifel.

6239. Lawrence, Douglas H. (Stanford U., Calif.) Acquired distinctiveness of cues: II. Selective association in a constant stimulus situation. *J. exp. Psychol.*, 1950, 40, 175-188.—20 animals were trained on a successive discrimination to respond to a black-white stimulus and to ignore chain curtains. Another 20 animals were trained to react to the presence or absence of the curtains and ignore the black-white cue. In a series of test situations the animals tended to choose on the basis of the cue they had been taught to respond to; relearning was faster on the preferred than on the non-preferred cue; and the discrimination on the preferred cue was reversed more rapidly. It would seem that the learning of new instrumental responses is faster on a familiar cue than on a non-familiar one. The findings are interpreted in terms of the concept of the acquired distinctiveness of cues.—R. B. Ammons.

6240. Littman, Richard Anton. Latent learning in a T maze after two degrees of training. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 239-241.—Abstract of Ph.D. thesis.

6241. Minaert, Walter A. (Johnson (Vt.) Teachers Coll.) An analysis of the value of dry-skiing in learning selected skiing skills. *Res. Quart. Amer. Ass. Hlth*, 1950, 21, 47-52.—The purpose of this study was to determine the value of dry-skiing in the actual learning of skiing skills. The results indicate that this procedure is advantageous to the beginning skier since it appears to (1) build up self-confidence; (2) teach proper body positioning and movement so the skier can concentrate on balance while in motion in normal skiing situations; (3) afford opportunity for the week-end skiers to increase their skills during the week. The author recommends including dry-skiing in physical education courses.—M. A. Seidenfeld.

6242. Reynolds, Bradley. (U. Missouri, Columbia.) Acquisition of a simple spatial discrimination as a function of the amount of reinforcement. *J. exp. Psychol.*, 1950, 40, 152-160.—"Two groups of 14 male albino rats were trained in a simple T-maze. One group was rewarded with a 30-mgm. pellet of food, the other with a 160-mgm. pellet. Four trials, two free-choice and two forced-choice runs, were given each training day. Training was continued through 20 days. . . . In terms of percents correct, the large-pellet group showed a greater amount of learning. The percents correct curve for the large-pellet group showed a faster rate of growth and a higher limit. . . . The large-pellet group showed faster running times for free-choice trials and for reinforced trials."—R. B. Ammons.

6243. Saltzman, Irving J. (Indiana U., Bloomington.) Generalization of secondary reinforcement.

J. exp. Psychol., 1950, 40, 189-193.—"Three groups of 12 rats were given 25 reinforced runs on a closed runway over a period of five days. The rats in each group were then given 15 massed trials in a simple, closed U-maze where choices of the nonpreferred side were rewarded. The two goal boxes on the maze were different for Group I; for Groups II and III they were alike. For Group I the two dissimilar goal boxes on the maze were both different from the goal box that had been used on the runway; for Group II the two similar goal boxes on the maze were both similar to the goal box that had been used on the runway; and for Group III the two similar goal boxes on the maze were both different from the goal box that had been used on the runway. The results of the experiment support the generalization hypothesis which accounts for faster learning with dissimilar goal boxes than with similar goal boxes."—R. B. Ammons.

6244. Schiller, Paul H. Analysis of detour behavior: IV. Congruent and incongruent detour behavior in cats. *J. exp. Psychol.*, 1950, 40, 217-227.—"Four male cats and one female were tested in both a congruous and an incongruous detour problem. . . . The animals learned with a greater general working rate to solve the congruous problem of running around partition walls toward the food than to run around toward the opposite, apparently not baited, feeding box. . . . The difference in working rate is interpreted as a consequence of emotional strain rather than of a learning differential. . . . These results are compared with instrumental and latch-box problems in mammals."—R. B. Ammons.

6245. Schlosberg, Harold, (Brown U., Providence, R. I.), & Heineman, Charles. The relationship between two measures of response strength. *J. exp. Psychol.*, 1950, 40, 235-247.—"Associative responses and their reaction times were recorded for each of 204 undergraduates, using 25 monosyllabic stimulus words. Each of the 5000 responses could be described in terms of two measures of associative strength: (1) associative reaction time (latency), and (2) communality (percentage frequency). . . . Associative reaction times, after conversion to a logarithmic scale, were distributed in an approximately normal fashion. . . . When reactions were segregated in terms of communality, the median log reaction time was found to be an inverse linear function of communality. . . . an analysis based on the rate of development of stimulus-released energies predicted distributions of latency which were consistent with those obtained from the experiment."—R. B. Ammons.

6246. Underwood, Benton J. (Northwestern U., Evanston, Ill.) Retroactive inhibition with increased recall-time. *Amer. J. Psychol.*, 1950, 63, 67-77.—The degree of interpolated learning was varied to determine the influence on retroactive inhibition when S was allowed 8 sec. rather than the usual 2 sec. to anticipate each item at recall. Ten paired two-syllable adjectives were used as the learning

material; recall occurred after 20 min. Increased recall-time reduced the amount of retroactive inhibition for levels of interpolated learning equal to or greater than the level of original-list learning. The results indicate no support to the hypothesis that increased recall-time would reduce retroactive inhibition when differentiation between response systems was high and not when it was low.—S. C. Ericksen.

6247. Walker, Edward L., Knotter, Margaret C., & DeValois, Russell L. (U. Michigan, Ann Arbor.) Drive specificity and learning: the acquisition of a spatial response to food under conditions of water deprivation and food satiation. *J. exp. Psychol.*, 1950, 40, 161-168.—66 young rats were given 4 training trials per day for 10 days under 16-18 hours of water deprivation and food satiation in a single choice point Y-maze. Water reward on both sides and food on one arm of the maze only. 26 animals had all free choices, 20 half free and half forced, and 20 all forced. "A significant tendency for the animals to go to food when made hungry was demonstrated in both groups with free trials and a similar but not significant tendency was demonstrated in the group in which all trials were forced. A secondary hypothesis that the weaker the position preference of the animals, the more likely the demonstration of an acquired food-going response tendency was also confirmed."—R. B. Ammons.

6248. Waters, R. H., & Reitz, John G. (Coll. of Wooster, O.) The role of recency in learning. *J. exp. Psychol.*, 1950, 40, 254-259.—"To study the accuracy and significance of the predictive validity of recency in maze learning, 20 subjects were given 15 trials on a revolving, raised-wire, finger maze. Choices made at each choice point were predicted for the next choice at the same point. A total of 4200 individual predictions were analyzed. For the entire group approximately 70 percent of the predictions were correct. An increase in the percentage of correct predictions occurred with increased mastery of the maze. Requiring the subjects to change their bodily orientation during successive trials did not cause a decrease in the accuracy of predictions based on recency. The results are interpreted to mean that recency is not a causal law of learning. It is, rather, a condition whose presence allows those factors causing learning to operate."—R. B. Ammons.

6249. Wilcox, Harry H., & Windle, William F. (U. Pennsylvania, Philadelphia.) A controlled study of the effects upon the brains of guinea pigs of ultrasonic waves generated by turbo-jet engines. *J. Aviat. Med.*, 1950, 21, 85-89.—Eight male guinea pigs were trained to run a simple alternation maze. Six of the animals were then exposed to ultrasonic waves from jet engines for a total of 110 hours. The other two animals were controls. In ten test trials, the experimental animals made a total of 86 errors; the controls made none. The difference between the performance of the two groups was not statistically reliable, however.—A. Chapanis.

6250. Wilcoxon, Hardy C., Hays, Ruth, & Hull, Clark L. (Institute of Human Relations, Yale U., New Haven, Conn.) A preliminary determination of the functional relationship of effective reaction potential (sE_R) to the ordinal number of Vincentized extinction reactions (\hat{n}). *J. exp. Psychol.*, 1950, 40, 194-199.—"The first determination of the functional relationship between effective reaction potential (sE_R) and the ordinal number of Vincentized extinction trials (\hat{n}) is presented, the method of quantifying reaction potential developed by Hull *et al.* having been utilized. The mathematical expression of this relationship is, $sE_R = 1.84 \times 10^{-0.484\hat{n}} + .277$ This preliminary determination is based on a paired-comparisons quantification of the latency data of 36 male hooded rats which were given massed extinction trials on a simple running response. . . . Evidence obtained from a similar quantification of the original learning of the running response indicates that the unit of the sE_R scale as a whole probably varies in magnitude from learning to extinction. . . . It is pointed out that this evidence renders the present determination of $sE_R = f(\hat{n})$ quite tentative in respect to the coefficient of the righthand member of the equation."—R. B. Ammons.

6251. Williams, Meyer. (Veterans Hospital, Downey, Ill.) The effects of experimentally induced needs upon retention. *J. exp. Psychol.*, 1950, 40, 139-151.—"Four experiments were performed to test critically the hypothesis that the presence of a strong biological or psychological need would bring about differential selectivity in retention. . . . Conclusions based on the major results of all four experiments were that induction of a need after learning does not influence: 1. Retention of need related material. 2. Retention of neutral material previously associated with need related material. 3. Retention of neutral material not directly related in any manner to the need. In addition, it was concluded that biological need was not reliably different from psychological need in influencing retention."—R. B. Ammons.

THINKING & IMAGINATION

6252. Dixon, James Cannon. The relationship between concept formation and the emergence of reactions to contradictory relations. In *University of North Carolina Record, Research in progress*. . . . 1948. Chapel Hill, N. C., 1949, No. 464, 334-335. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

6253. Rokeach, Milton. (Michigan State Coll., East Lansing.) The effect of perception time upon rigidity and concreteness of thinking. *J. exp. Psychol.*, 1950, 40, 206-216.—"Rigidity was measured by an arithmetical technique in which critical problems may be solved rigidly or non-rigidly. Concreteness of thinking was measured primarily by the frequency of use of scratch paper as a problem-solving aid. Four experimental groups, subjected to delays of 10, 20, 30, and 60 sec., respectively, had increasing opportunities to perceive the problems presented. . . ." It was found that "the 10-sec.

Delay Group, having the least opportunity to perceive the problems, gave the greatest frequency of rigid solutions and utilized concrete aids more frequently than the other groups. . . . The 30-sec. and 60-sec. Delay Groups, having the greatest opportunity to perceive the problems, manifested the smallest frequency of rigid solutions and utilized concrete aids least often."—R. B. Ammons.

INTELLIGENCE

6254. Prak, J. Luning. *De Polen van het Intellect.* (The poles of intelligence.) Amsterdam: Scheltema & Holkema, 1948. 247 p.—This is the third, completely revised, edition of this book (see 14: 4005). The subject is the intelligence range from feeble-mindedness to genius. Sample problems concern: (1) the statistical distribution of intelligence variability as based on tests, (2) relations of intelligence to achievement, (3) the part intelligence plays in success in various occupations, (4) sex differences in intelligence, (5) constancy of the IQ, (6) leadership, etc.—J. R. Kantor.

(See also abstracts 6134, 6158, 6361)

PERSONALITY

6255. Fisher, Seymour. (*Elgin State Hosp., Ill.*) *Patterns of personality rigidity and some of their determinants.* *Psychol. Monogr.*, 1950, 64(1), v, 48 p.—The author advances the hypothesis that, "there are persistent personality rigidity trends which are relatively independent of intelligence" revealed in the degree of behavioral utilization of alternate responses. Using 60 female subjects—20 normal, 20 conversion hysterics, and 20 paranoid schizophrenics—and all in IQ range 95 to 110, each S was given the verbal section of the Wechsler-Bellevue, a Rorschach, a battery of 10 rigidity measures, and finally the Guilford STDCR inventory. While personality rigidity manifestations cannot accurately be described the author was able to distinguish two levels of rigidity—one at the ego level and the other at a peripheral level.—M. A. Seidenfeld.

6256. Menninger, Karl. (*Menninger Clinic, Topeka, Kans.*) *The anatomy and physiology of the personality.* *Bull. Menninger Clin.*, 1950, 14, 75-80.—The study of the structure of personality is today the main content of psychiatric thinking. Instead of concentrating upon mental illness, modern psychiatrists now direct their attention to various elements in the personality, how they vary and how they may be modified. The sociological, physical, chemical, and psychological aspects of personality must all be considered. We are learning much about the outer life of the child at successive ages; we need to know a great deal more about his inner life, his feelings. Ideas may be relatively unimportant in the personality development of the little child as compared to the feelings of the persons in his family for each other.—W. A. Varvel.

(See also abstract 6300)

AESTHETICS

6257. Allen, Clifford. *Homosexuality and Oscar Wilde: a psychological study.* *Int. J. Sexol.*, 1949, 2, 205-215.—When Wilde left Oxford he probably was already confirmed in homosexuality even though subsequent behavior indicated heterosexuality at times. Parental relations and associations at Oxford were important factors. Imprisonment did not cure Wilde of his homosexuality and it is unlikely that psychotherapy would have been of any value since he probably had no desire to be cured. French and German summaries.—C. R. Adams.

6258. Moloney, James Clark, & Rockelein, Laurence. *A new interpretation of Hamlet.* *Int. J. Psycho-Anal.*, 1949, 30, 92-107.—Through a psychoanalytic study of the lines, scenes and through the eyes and lines of others, Hamlet is said never to have had intention of removing Claudius, "the second protective father who stood so conveniently between him and the throne, just to avenge the loss of the father." Throughout the play, he is shown to be immature and afraid of the Queen Mother in a tragic re-resolution of the Oedipal complex.—N. H. Pronko.

(See also abstract 6499)

DEVELOPMENTAL PSYCHOLOGY

6259. Levinson, Edward D. *Fetal defects following rubella in the pregnant mother.* *McGill med. J.*, 1949, 18, 183-198.—The literature since 1941 is reviewed which bears on fetal defects following rubella in the pregnant mother. The frequencies with which cataract, deafness, heart defects, microcephaly, mental retardation, dental and other defects are mentioned as sequelae in children of mothers who suffered rubella during pregnancy are tabulated. It is concluded from the literature that rubella can cause congenital defects in children born of mothers who contracted the disease in the early months (first four) of pregnancy and that the risk of congenital defects following rubella in the first four months cannot be calculated from available data. 77 references.—F. C. Sumner.

CHILDHOOD & ADOLESCENCE

6260. Beck, Lester F. (*U. Oregon, Eugene.*) *Human beginnings.* 16 mm film, sound, color, running time 23 minutes. Distributed by Association Films, 35 W. 45th St., New York. \$7.50 daily rental, \$175 sale.—This film is based upon a study of the beliefs and feelings of six-year-old boys and girls about a new baby in the family. It shows that in an average classroom some children are well informed and well adjusted, while others harbor misunderstandings along with mixed feelings of love and resentment. The film further reveals how the children, with the help of the teacher, learn to share their feelings and to work towards a sound understanding of what it means to have a younger brother or sister. Purpose of the film is twofold: (1) as a

teaching aid with little children, and (2) as a discussion aid with groups of parents, teachers, counselors and others interested in the mental health of the child.—R. A. Littman.

6261. Cassagne Serres, Blanca A. *Servicio social de grupo o trabajo de grupo.* (Group social service or group work.) *Bol. Inst. int. amer. Prot. Infanc., Montevideo.*, 1950, 24, 36-39.—The child needs to develop in a nucleus, that is to say a small primary social group rather than in large groups, as usually constituted. School clubs as set up in Argentina are considered to be primary groups in which democracy and effective living can be taught.—R. J. Corsini.

6262. Christoffel, Hans; Schmidt, Trudy, & Tramer, M. *Chronologische Aufzeichnungen über ein dreijähriges Mädchen.* (Chronological notes on a three-year-old girl.) *Z. Kinderpsychiat.*, 1950, 17, 16-27.—It is necessary for psychological workers to know the early stages of childhood. These notes record individual trends in the development of a three-year-old which might serve as a guide in treatment of certain forms of behavior.—G. Rubin-Rabson.

6263. Glaser, Kurt; Parmelee, Arthur H., & Plattner, E. B. (*Coll. Med., U. Illinois, Chicago, Ill.*) *Growth pattern of prematurely born infants.* *Pediatrics, Springfield*, 1950, 5, 130-144.—163 prematurely born infants were observed from birth to 8 months of age (138 Negro and 25 white). Their growth progress was recorded at regular intervals and evaluated as to the pattern of the weight, length, head circumference, and sitting height increment. Race, sex, and birthweight differences in growth pattern are graphically presented. Boys exceeded girls in weight and length throughout the entire period. Negro and white children grow in same proportion.—F. C. Sumner.

6264. Granqvist, Hilma. *Birth and childhood among the Arabs; studies in a Muhammadan village in Palestine.* Helsingfors, Finland: Söderström, 1947. 289 p. Dan. kr. 25.—This is a detailed account of child-bearing and child-rearing customs in Palestine, based on data collected in a total of 3 years of field work between the years 1925 to 1931. Such topics as pre-natal customs, birth, post-natal customs, nursing, circumcision, and the child's play and education, are discussed. An extensive commentary is appended in which both bibliography and Biblical references, in regard to some of the customs, are combined.—E. A. Rubinstein.

6265. Granqvist, Hilma. *Child problems among the Arabs: studies in a Muhammadan village in Palestine.* Helsingfors, Finland: Söderström, 1950. 336 p. Dan. kr. 30.—This is the second part of a study (see 24: 6264). Customs in regard to name-giving are described and the meanings of many names are given. Child-care and parent-child relationships are discussed. Statistics on birthrate and mortality for five generations of villagers up to 1927 are presented. There is appended a genealogical table for these five generations, which includes over 1000 persons. The index and complete bibli-

ography for both parts of the study are included. 269-item bibliography.—E. A. Rubinstein.

6266. Guyon, René. *The child and sexual activity.* *Int. J. Sexol.*, 1948, 2, 26-32.—Even though agreement cannot be reached on the age of maturity, it is evident that many young children have intense sexual desire and are as capable in respect to emotions as are "grown-ups." Persons refuting "the revelations of the Freudian school concerning children are the successors of those who, in their day, fought against the teaching of the revolution of the earth about the sun. . . ."—C. R. Adams.

6267. Kirkendall, Lester A. (*Assoc. for Family Living, Chicago, Ill.*) *Sex problems of adolescents.* *Marriage Hyg.*, 1948, 1, 205-208.—In a study of teen-aged boys, the average number of sex worries or problems checked was 7, all dealing with matters of conduct, anatomy, behavior, and/or experience. Many individual differences were found, especially in contrasting boys without sexual experience with those having such experience. The findings are accompanied by a plea "for better and more comprehensive sex education."—C. R. Adams.

6268. Lacan, Jacques. *Le stade du miroir comme formateur de la fonction du je.* (The mirror phase as mold of the "I" function.) *Rev. franç. Psychanal.*, 1949, 13, 449-455.—The mirror phase in the infant—from six to eighteen months—is an "identification" in the full analytic sense of the term. The mirror image as gestalt is effective in shaping the organism, as is proved by maturation in animals by the sole means of a mirror image of their kind, regardless of sex.—G. Rubin-Rabson.

6269. Leopold, Werner F. (*Northwestern U., Evanston, Ill.*) *Speech development of a bilingual child; a linguist's record.* Vol. IV. *Diary from age 2.* Evanston, Ill.: Northwestern University Press, 1949. ix, 176 p. \$5.00. (Northwestern U. Stud. in Humanities, No. 19.)—The first three volumes of this series reported the language development for the first two years of the author's daughter. This volume is a diary of the linguistic aspects of the same subject's development from age 2 to 12 and of a younger child from age 2 to 8.—J. Matthews.

6270. Lowder, Eunice Idell. *Characteristic dramatic play of thirty rural first grade children.* In *University of North Carolina Record, Research in progress . . .* 1948. Chapel Hill, N. C., 1949, No. 464, 116. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6271. Rautman, Emily W., & Rautman, Arthur L. (*U. New Mexico, Albuquerque.*) *Is your child well-bred?* *Ment. Hyg., N. Y.*, 1950, 34, 228-240.—A discussion of numerous factors in our modern social milieu which lead to the impersonal attitudes and indifferences of poor breeding. The author emphasizes that the home is the last frontier of good breeding and that there is a need for a more valiant and forceful effort to make certain that the home inculcate those elements of consideration for others

that formerly produced the well-bred child.—*M. A. Seidenfeld.*

6272. Reiter, Sidney R. Identification and the nature of affective relationship with the parent as measured by recall of outstanding childhood experiences: a correlation study. *J. intercollegiate Psychol. Ass.*, 1950, 1, 129-138.—"In a study correlating degree of parental identification and ratings of parents with the type of affective parental relationship, a questionnaire was presented to a random sample of 190 college students, male and female, ranging in age from 17 to 24 years. The results indicate definitive rejection of any hypothesis relating parental identification exclusively or significantly to positive or negative affective relationship with that parent. They support the conclusion that identification may be related either to positive or negative affective parental relationship but exclusively to neither. No statistically significant sex differences were noted, but a rather marked crossed-sex identification among the female subjects was cited and discussed."—*H. Feifel.*

6273. Remiche, J. Réponses à l'enquête sur l'animisme enfantin. (Replies to the inquiry regarding childish animism.) *Nouv. Rev. Pédag.*, 1949, 4, 592-600.—The conclusion is that animism in the mind of the child occupies a more important place than H. Wallon thinks; but it is not certain that animistic tendencies constitute a necessary stage in development as is affirmed by Piaget.—*R. Pirel.*

6274. Schonfeld, William A. Inadequate masculine physique as a factor in personality development of adolescent boys. *Psychosom. Med.*, 1950, 12, 49-54.—From observation of 256 boys ranging in age from 9 to 16 years who presented personality difficulties relating to physical inadequacy suggest that apparent or actual delays in the onset of sexual maturation, failure of growth spurt at adolescence or inadequacy of masculine development may lead to a variety of difficulties. Castration anxieties and feelings of inadequacy are considered to play essential roles in these difficulties. Deviation from the group pattern is regarded as important for the conscious motivations involved. 33-item bibliography.—*J. W. Bowles, Jr.*

6275. Seitz, Philip F. Durham. (U. Pennsylvania, Philadelphia.) Psychocutaneous conditioning during the first two weeks of life. *Psychosom. Med.*, 1950, 12, 187-188.—A case is reported of a 2½ year old girl who rejected solid foods and, while taking milk from a nursing bottle, pulled out her hair and tickled her nose with the strands of hair. It was decided that this was an unconscious regression to a suckling stage in reaction to the rejecting atmosphere that began with toilet training. During the first few weeks of life the child was breast fed, and it was found that the mother's breasts contained a ring of long coarse hairs surrounding the nipple. This conditioning to hair must have occurred during the first two weeks of life, since breast feeding stopped at that time.—*J. W. Bowles, Jr.*

6276. Tramer, M. Kinderpsychologisches und Pädagogisches aus einer Kwuza; zum Problem vergleichender menschlicher Entwicklung. (Child psychology and pedagogy in a Palestinian settlement; a contribution to the problem of comparative human development.) *Z. Kinderpsychiat.*, 1950, 16, 139-152.—In a non-hierarchical society, the aim of education is the creation of the intelligent Jew, rooted in his own country, and free of the customary historical pressures. From a 71-item questionnaire, the author attempted to evaluate the relative behavior of children reared in the Kwuza, and to discover whether the observed superiorities were due to social, climatic or individual differences. Since all the children were still under 14 years, how they will develop during puberty and adolescence and what kind of adult adjustments they will make, are still open questions.—*G. Rubin-Rabson.*

6277. Ward, Sara Jane Hunter. A study of negative behavior in young children. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 143. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

(See also abstracts 6327, 6518)

MATURITY & OLD AGE

6278. Benjamin, Harry. Outline of a method to estimate the biological age with special reference to the role of the sexual functions. *Int. J. Sexol.*, 1949, 3, 34-37.—Man's true or biological age may significantly differ from his CA. By adding or deducting from the CA estimated years from certain selected individual health factors (5 to 10 from a suggested 20 factors), true age might be determined "for a person in average good health, usually of a calendar age above forty." His factor 9 deals with sexual functions and a rating of 5 to 20 years would be added to or subtracted from the CA, depending upon the condition of the functions. Through "gerontotherapy" methods would be applied to halt or ameliorate the aging process with "endocrine gerontotherapy" being helpful with sexual deficiencies.—*C. R. Adams.*

6279. Fox, Charlotte. The intelligence of old indigent persons residing within and without a public home for the aged. *Amer. J. Psychol.*, 1950, 63, 110-112.—Results of the test scores of 25 Ss in each of the two groups indicate that one cannot consider a priori that persons on old-age assistance are below average intellectually or that the institutionalized aged are inferior to their community-residing peers.—*S. C. Ericksen.*

6280. Howell, Trevor H. (St. John's Hosp., Battersea, Eng.) Old age; some practical points in geriatrics and gerontology. London: H. K. Lewis, 1950. vii, 108 p.—A general introduction to the medical and psychological approaches to old age and on the care, comfort, and management of the elderly.—*F. C. Sumner.*

6281. Zeman, Frederic D. Life's later years: studies in the medical history of old age. *Mt.*

Sinai Hosp. J., N. Y., 1950, 16, 308-322.—This is the 12th in a series of articles dealing with studies in the medical history of old age and treats European studies of the mental and physical changes of old age published during the 19th century.—F. C. Sumner.

(See also abstracts 6167, 6409)

SOCIAL PSYCHOLOGY

6282. Bruneton, Jean. (5 Rue Daru, Paris, France.) **Polar relations between the sexes.** *Int. J. Sexol.*, 1949, 2, 143-149.—Jung's research disclosed that a polar relationship existed between man and woman. Complexes occur with two typical manifestations of projection and identification. Although mentally the male is polygamous, unconsciously he is monogamous; on the exterior, the woman is monogamous but unconsciously she is polygamous. Although transference is not at all definite in polar relations, friendship does persist.—C. R. Adams.

6283. Cantril, Hadley. [Ed.] (Princeton U., N. J.) **Tensions that cause wars; common statement and individual papers by a group of social scientists brought together by UNESCO.** Urbana, Ill.: University of Illinois Press, 1950. 303 p. \$4.00.—8 social scientists of different nationalities and fields of specialization met in Paris for 2 weeks in 1948 under the auspices of UNESCO to discuss "major influences which predispose toward aggressive nationalism." At the meeting the participants signed a *Common Statement* on the causes of nationalistic aggression and the conditions necessary for international understanding. Following the meeting the members of the group prepared personal statements of their views on these questions, which were submitted to all other members for comment. The 8 papers are printed with the comments. (1) Alexander Szalai in "Social Tensions and Social Changes: A Marxist Analysis" argues that social tensions are not good or bad in themselves but such decisions rest on value judgments which are the product of socio-economic and historical factors. "The present dangerous and costly tensions can, in the last resort, only be combatted by fighting for socialism and against capitalism." (2) Gordon W. Allport in "The Role of Expectancy" emphasizes that what men expect determines their behavior and inasmuch as in the present world men expect war to continue there is great possibility that it will continue if leaders can provoke and organize the people to fight. The author analyzes the place of expectancy in social behavior. (3) Harry Stack Sullivan compares and analyzes interpersonal and international tensions from the point of view of a psychiatrist in his paper "Tensions Interpersonal and International: A Psychiatrist's View." International tensions relate to and in some measure are based on interpersonal tensions which in themselves result from training and earlier experiences. (4) Gilberto Freyre points out in his paper "Internationalizing Social Science"

that at the present time social science is dominated by nationalism and if it is to achieve its best goals from a scientific or practical point of view, it must be internationalized. He suggests the possibility of writing a non-nationalistic American history for example. (5) John Rickman in his psychoanalytic analysis entitled "Psychodynamic Notes" considers the question of aggression and points out that aggressive impulses in themselves are not in point but that repressed aggressive impulses may be very significant in the building up of tensions. (6) Max Horkheimer emphasizes the significance of social environmental factors in the development of aggressions and devotes a major portion of his paper "The Lessons of Fascism" to the significance of social conditions in Germany in encouraging the development of the Nazis. (7) Georges Gurvitch in his "A Sociological Analysis of International Tensions" points out that all life is tension and therefore strain cannot be avoided and in fact may be desirable. However, international tensions are artificial and in large measure are based on national egotism, conflict, and propaganda. He feels that social science might be able to attack this problem directly and with the possibility of satisfactory results. (8) Arne Naess in "The Function of Ideological Convictions" discusses the development and significance of ideologies in influencing the behavior of peoples. Rigid ideologies are important causes of misunderstanding; such ideologies are examples of general solutions to problems for which we should have a far more critical attitude. There has been added to the volume a statement on the problem of peace published by a group of Japanese scientists in comment on the common statement issued by the discussant group.—C. M. Louttit.

6284. Graham, Francis W. (Royal Melbourne Hosp., Australia.) **The Freudian concept of sex.** *Int. J. Sexol.*, 1948, 2, 81-84.—The Freudian concept of psychosexual development is presented, and it is stated that sociology and ethnology must study the roles of environment and institutions influencing fundamental biological impulses.—C. R. Adams.

6285. Hager, Donald Joseph. **German sociology under Hitler: a study in methodology based on German social scientific periodicals, 1933 to 1941.** In *Ohio State University, Abstracts of dissertations . . . 1948-1949.* Columbus, O., 1950, No. 58, 163-170.—Abstract of Ph.D. thesis.

6286. Kelly, Norbert Lawrence, Jr. **A sociological exploration of some of the institutional bases of war.** In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 406. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6287. Ludovici, Anthony M. **Sexual jealousy and civilization.** *Int. J. Sexol.*, 1949, 3, 76-84.—It is a fact that fathers have an unconscious and deeply repressed jealousy of their sons, exemplified not only Biblically but also by men who blithely sacrifice their sons in war. This jealousy, sexually rooted, can even be observed in animals, and is observed in

modern civilization by the convention of total sexual abstinence for the adolescent. Civilization, itself a neurosis, is a result of sexual repression and, if it is to be preserved, restrictive measures upon sexual expression must be upheld.—C. R. Adams.

6288. Ludovici, Anthony M. Sexual jealousy and civilization. *Int. J. Sexol.*, 1950, 3, 154-162.—The question is raised as to why the English, who expounded and championed Puritanism, are "peculiarly prone to sexual jealousy and sensual jealousy in general." History proves the sensuality but not passionateness of the English, and it is likely that sex-jealousy increases *pari passu* with increases in sensuality. England's whole material prosperity grew out of stringent sex-control which required an outlet. The Industrial Revolution provided with its wheels a disgraceful mimicry and a powerful mechanical compensation for "the countless billions of sexual embraces Puritanism . . . caused Western humanity for ever to lose."—C. R. Adams.

6289. McAllister, Susan Springer. The class representativeness of policy making bodies of social institutions and voluntary organizations. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 265-271.—Abstract of Ph.D. thesis.

6290. Mardiros, Anthony M. (*U. Alberta, Edmonton, Alberta, Can.*) A reply to Mr. Savery. *Canad. J. Psychol.*, 1950, 4, 88-90.—This is the fourth contribution in an argument initiated by an article (see 23: 2011) by Mr. Savery on "Ethics as psychology rather than philosophy." The Editor terminates the exchange with this contribution.—J. W. Bowles, Jr.

6291. Morhardt, P.-E. Le comportement mental des groupes humains. (The psychological behavior of human groups.) *Arch. int. Neurol.*, 1949, 68, 139-151; 168-173; 185-195; & 1950, 69, 2-8.—A brief historical account of man's recognition of the interaction of group upon individual and of the latter upon the former from Aristotle down prefaces a discussion of 9 socio-psychological phenomena: group cohesion; dynamism of social sentiment; agapasia; emotional states and social sentiment; the contagious emotions and laughter; instinct of preservation, will-to-power, and Messianism of the group; inhibitions and repressions; exogamic tendencies; the slowness of ideation and specialization on the part of the group as compared with the individual.—F. C. Sumner.

6292. Schindler, Walter. The problem of masochism in individuals and nations. *Int. J. Sexol.*, 1949, 2, 167-173.—Masochism "is not conditioned originally by environment but is much more a matter of a clearly constitutional basis" possibly resulting from a hormone disturbance and, in turn, accentuated by parents or their substitutes. In Nazi Germany, Hitler was a paranoiac sadist to whom his people gave hero worship. When a nation identifies with a false prophet, a dangerous attitude forms. Politically, setting up a "democratic ideal is the best

and possibly the only guarantee of cure."—C. R. Adams.

6293. Vaughan, Elizabeth Head. A Japanese internment camp: a sociological study of Bacolod Camp, Negros Island, Philippines. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 397-398. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

6294. Yeatman, Trezevant Player, Jr. The technicways-stateways of war: an inquiry into the changing attitudes of American soldiers in the European Theater of Operations 1942-1946. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 398-399. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

METHODS & MEASUREMENTS

(See abstract 6131)

CULTURES & CULTURAL RELATIONS

6295. Baker, Sidney J. Speech and sexual taboos. *Int. J. Sexol.*, 1949, 3, 98-101.—In primitive tribes mutual speech avoidances fall into the category of general incest avoidances but the speech ban seems primarily directed against any sexual indulgence outside of marriage. There seems little doubt that the interpersonal speech act, unconsciously identified as a sexual act, is banned because it is a symbolic form of sexual intercourse.—C. R. Adams.

6296. Benne, Kenneth D.; Bradford, Leland P., & Lippitt, Ronald. (*U. Illinois, Urbana.*) Group dynamics and social action. New York: Anti-Defamation League of B'nai B'rith, 1950. 62 p. 25¢.—The ineffectiveness due to conflict, tension, and lack of group skills in an organization to promote democracy is analyzed, and the development of self-evaluation and ways used to work together more harmoniously are described.—G. K. Morlan.

6297. Bowie, Carol C. (*V. A. Hospital, Tuskegee, Ala.*) The meaning of the marriage contract to 674 Negro male veterans. *Int. J. Sexol.*, 1948, 2, 42-43.—The 23 different answers most frequently given by 674 Negro male veterans to the Wechsler-Bellevue Intelligence Scale sub-test item, "Why does the state require people to get a license in order to be married?" were analyzed. 72% of the group gave largely concrete or functional answers while 6% unequivocally stated "I don't know." The legal angle of the question received more emphasis than the moral. Some cynicism was noted, and one-tenth of the group implied the idea of the ownership of a wife. Their replies, as a whole, reflected their lower, or lower-middle class, sociocultural backgrounds.—C. R. Adams.

6298. Densmore, Frances. A study of some Michigan Indians. Ann Arbor: University of Michigan Press, 1949. v, 41 p. \$5.00.—(*Anthrop. Pap. Mus. Anthrop., Univ. Mich.*, 1949, No. 1.)—The culture of various Indian communities in

Michigan is discussed, especially from the standpoint of assimilation into the white man's culture. "In Michigan, as in other parts of the United States, the Indian is rapidly taking his place in the white man's world." 27 item bibliography.—E. A. Rubinstein.

6299. Ettinger, Albert C. **Social engineering in race relations.** *J. intercollegiate Psychol. Ass.*, 1949, 1, 17-35.—The author stresses the need "for social research involving the investigation of organizations which have as their objective the alleviation of racial tensions and the elimination of racial discrimination and segregation." He feels that one such group is the Congress of Racial Equality (CORE). The activities and techniques of this group are discussed in light of its psycho-philosophical context and historical background.—H. Feifel.

6300. Lee, Dorothy. **Lineal and nonlinear codifications of reality.** *Psychosom. Med.*, 1950, 12, 89-97.—It is suggested that "Our conception of personality formation, our stress on the significance of success and failure and of frustration in general, is based on the axiomatically postulated line." Reality for us is said to be lineal, as compared with other cultures, such as the Trobrianders, who are said to have a nonlinear apprehension of reality. We should exercise caution in studying other cultures to avoid an a priori assumption that their actions are based on a lineal reality.—J. W. Bowles, Jr.

6301. Redfield, Robert. **A village that chose progress; Chan Kom revisited.** Chicago: University of Chicago Press, 1950. xiv, 187 p. \$2.75.—The economic, cultural, and social changes that occurred in a village in Yucatan, Mexico during the 17 years from 1931 to 1948 are described and discussed. The progress of the community from a settlement to an incorporated pueblo and head of its own municipality is considered the result of the characteristics of the early settlers, the influence of the leaders, and the ethos of the community rather than because of any geographical advantages. The author suggests that the trend of American civilization gives the clue that the people of Chan Kom will continue into greater change in which technology, declining religious faith, and lessened moral conviction will be the results.—E. A. Rubinstein.

6302. Rubin, Morton. **Patterns of culture in a Basque community.** In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 407-408. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6303. Schindler, Walter. **The sexual aspects of antisemitism.** *Int. J. Sexol.*, 1949, 2, 239-243.—Christ became the leader of a son-generation which found itself in conflict with a Pharisean father-generation thereby leading to the displacement of Jews remaining faithful to the old fathers. This gives the thesis that "wherever, in a society mixed of Jews and non-Jews, a father-son conflict arises from a disintegration of family life, antisemitism is the result." Using Hitler as one example, he proposes that the degree of antisemitism indicates the degree of sickness in the social body. The remedy sug-

gested is that a "love-culture" should be established.—C. R. Adams.

(See also abstracts 6264, 6265, 6544)

SOCIAL INSTITUTIONS

6304. Barash, Meyer. (Syracuse U., New York.) **The social adjustments of married students.** *Int. J. Sexol.*, 1949, 2, 180-183.—Using a simple questionnaire as a guide, five advanced sociology students interviewed 74 married college veterans as a representative sample of 475 student families at Sampson College. Although questions were not asked about sexual adjustment, the author from informal discussions with his interviewers and "many students" hypothesizes that sexual maladjustment is rarely the reason for social maladjustment.—C. R. Adams.

6305. Bibby, Cyril. (69 Manor Rd., Chipping Barnet, Herts, Eng.) **Sex and the family in the Soviet Union.** *Int. J. Sexol.*, 1950, 3, 135-141.—The author's 12 questions about family life in Russia are answered by Rudolf Schlesinger whose 1949 book, *Changing Attitudes in Soviet Russia: The Family*, is likewise reviewed. The answers indicate that abortion is legally restricted, that contraception is not officially encouraged, that promiscuity is discouraged, that sexual assault is regarded as a most serious crime, that prostitution is illegal but not criminal, that coeducation has been completely abolished, and that sex education is a definite part of the school curriculum.—C. R. Adams.

6306. Biskind, Leonard H. **Sex and marriage.** *Int. J. Sexol.*, 1949, 2, 149-156.—Since young women today often approach sex and marriage with considerable fear and anxiety, physicians should train themselves in giving women practical knowledge about the anatomy and physiology of sexual functioning. Since "emotional adjustment is a prerequisite for successful marriage, physicians should be equipped to give adequate and proper marriage counseling."—C. R. Adams.

6307. Brown, Fred, & Kempton, Rudolf T. (New York U.) **Sex questions and answers; a guide to a happy marriage.** New York: Whittlesey House, McGraw-Hill, 1950. xiv, 264 p. \$2.95.—This book is based on 1126 sex questions anonymously submitted by men and women in the U. S. Army. By classifying the questions into 65 categories, the authors were able to treat them in 14 chapters: 2 including an introduction and questions about the biology of sex, 11 chapters dealing separately with problems of sexual adjustment, love-sex-personality, masturbation, menstruation, sexual desire and intercourse, contraception, sterility, pregnancy, venereal disease, orgasm, and homosexuality and variants of sexual expression, with a concluding chapter on sex education.—C. R. Adams.

6308. Carrington, W. L. **Preparation for marriage.** *Int. J. Sexol.*, 1948, 2, 32-34.—Preparation for marriage logically should begin in the home with the inculcation of the highest standards of physical, mental, and moral fitness. Not only should the ill

effects of unchastity be stressed but the moral code must be taught "because Right is Right. . . ." Help should be given in the choice of a mate, and all social institutions should strive to make homes "stable, peaceful, and . . . God-fearing."—C. R. Adams.

6309. Christensen, Harold T. (*Purdue U., Lafayette, Ind.*) **Marriage analysis: foundations for successful family life.** New York: Ronald, 1950. viii, 510 p. \$4.50.—This text, designed for college courses in marriage and the family, is functional and person-centred with only incidental treatment of the family as a social institution. Its 14 chapters, dealing with dimensions, factors, processes, and programs, are planned to orient the student to the field, to emphasize the factors underlying successful marriage, and to interpret and guide the student through the processes of courtship, marriage, parenthood, and old age.—C. R. Adams.

6310. Clark, LeMon. (*514 Medical Arts Bldg., Oklahoma City, Okla.*) **The martyrdom of man in sex.** *Marriage Hyg.*, 1948, 1, 218-220.—Answering the argument that "life-long union [is] incompatible with satisfactory sexual expression to the human male," this physician proposes that "sexual emotions like every other emotion are capable of regulation by habit." He believes that middle-aged wives can do much to enhance their attractiveness and to add variety to sexual activities. In addition, if society did not make "wronged women" of them when their husbands engaged in extra-marital experimentation, such sexual experimentation might be less tempting as well as less frequent.—C. R. Adams.

6311. Duvall, Evelyn Millis. (*5453 Woodlawn Ave., Chicago, Ill.*) **Family living.** New York: Macmillan, 1950. xxi, 410 p. \$2.60.—This text is primarily designed for high school courses in preparation for marriage and family living. Its 6 units consider personality development, family interrelationships, boy-girl relationships, preparation for marriage, child-development-guidance, and modern family life. Student projects and selected chapter readings are found as well as three appendices covering appropriate films and film strips, sources of pamphlets, and professional periodicals and popular magazines.—C. R. Adams.

6312. English, O. Spurgeon. **How family forces affect the individual.** *Bull. Menninger Clin.*, 1950, 14, 66-74.—In family life, the needs of the child and of the parents must on many occasions conflict. Any improvements in family living must come largely from the parents themselves. The family's responsibilities to children include those of providing "more time to spend with children, more patience with the child's difficulties in growing up, more knowledge of the nature of human emotional growth, more affection to meet the tremendous love demands of every child and adult, more resourcefulness in absorbing and redirecting aggression, better techniques for eliciting cooperation and enhancing the pleasure of group living, more opportunities for participating in a variety of home and social ac-

tivities, [and] . . . more participation in the emotional and educational dynamics of family life by fathers."—W. A. Varvel.

6313. Freed, Louis Franklin. (*2 Barbican Bldg., Johannesburg, Union South Africa.*) **The changing character of sexual morality.** *Marriage Hyg.*, 1948, 1, 229-233.—Human sex mores, ever oscillating with current social processes, primarily reflect socioeconomic conditions. The author correlates Christian asceticism, feudal strife, and other social movements with sexual morality and traces changes in them as resultants of economic factors. He concludes that "sexual morality . . . can be evaluated only in accordance with relative standards, and by reference to the contemporaneous socio-economic conditions."—C. R. Adams.

6314. Gilbreth, Lillian. **The family as a basic unit in community strength.** *Bull. Menninger Clin.*, 1950, 14, 61-65.—Belonging to a family involves great opportunities and responsibilities. It is the ideal group in which to work out human relations. "The home . . . is a marvelous place for research. It is a place for rehearsal, for activity, for living. . . . If we have worked together and played together; rejoiced together and sorrowed together; educated each other and had fun together; we have perhaps made our greatest contribution to community as well as to family life."—W. A. Varvel.

6315. Himes, Norman E. (*Office of Military Gov't, Bremen, Germany.*) **Personality as the chief determiner of successful and happy marriage.** *Int. J. Sexol.*, 1949, 2, 217-224.—After defining determiner as "apparent immediate cause," the author contrasts personal happiness with state or community objectives, pointing out that the high divorce rate in the U. S. probably results from personality maladjustment of the contracting parties. He reviews the 10 background factors that Lewis M. Terman found predictive of marital happiness and compares the respective personalities of happily and unhappily married men and women. Not only do personality and background factors seem important in successful marriage but so do sexual adjustment and many other factors. Much more research needs to be done.—C. R. Adams.

6316. Hirt, Stefanie. (*Marriage Guidance Clinic, Berlin Schöneberg, Germany.*) **Marriage guidance in Berlin.** *Int. J. Sexol.*, 1949, 2, 244-246.—After examining the causes for marital crises in Germany, the author stresses some principles believed important in giving guidance to troubled couples coming to the Guidance Clinic for help. Other functions of the Clinic include premarital medical examinations, medical advice for sterility, impotence, sexual aberrations, and venereal diseases, and contraception although in Berlin alone ten special clinics deal in birth-control exclusively and with little collaboration with the marriage guidance clinics proper.—C. R. Adams.

6317. Hollmann, Werner. **Sexuality, eroticism, love and marriage.** *Int. J. Sexol.*, 1950, 3, 178-182.—Not only does every neurosis produce sexual

disturbances but every sexual disturbance is neurotic in nature. A severe sexual neurosis results when a child suppresses or diverts his sexuality. Only at puberty do sexual problems proper arise because this period is when eroticism is mainly developed. Love is psychosomatic, with anxiety arising from conflict of sexual and erotic attachment and looks for the satisfaction of the partner. Whether sexual or erotic attachment or love (or all three) links two people only time can tell. These three emotions are successive stages of development in the individual and can only be encompassed by self-realization.—C. R. Adams.

6318. Lanval, Marc. (25-27 Rue des Allies, Parc Duden, Brussels, Belgium.) *Is early marriage a remedy for conjugal unrest?* *Int. J. Sexol.*, 1948, 2, 18-20.—Research has shown that early marriage has only one chance in ten of survival and one reason cited is the psychological immaturity of the youthful couple. But belated marriages also develop serious problems. The causes of conjugal unrest are rather "the general condition of the human ideals which are themselves consequences of the economic, political-social phenomena of our times."—C. R. Adams.

6319. Lipscomb, Winifred Lawrence. *Status and structure of the family in idealistic communities: a study of selected utopias, literary, religious and secular.* In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 393-395. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

6320. Meng, Heinrich. *Marital disturbances in a group of ten women.* *Int. J. Sexol.*, 1948, 2, 115-116.—For 10 women having deep-rooted marital disturbances requiring psychotherapy, it was concluded that their difficulties resulted from environmental factors including strong attachment to father linked with fear, early masochistic fancies and feelings of estrangement, feelings of guilt against mother, and later fondness for boys with feminine attitudes. Through psychoanalysis "the deeper subconscious tendencies of the ego were brought to the surface" with 7 of the women cured within 3 to 18 months. Upon parents rests the responsibility for their children's happiness in marriage.—C. R. Adams.

6321. Pretzel, Roman. (8 Sirkin St., Tel-Aviv, Palestine.) *The re-making of marriage instead of divorce.* *Marriage Hyg.*, 1948, 1, 234-236.—After pointing out that marriage has both a sentimental and legal nature, Pretzel reasons that the major cause of marital disharmony lies in the contracting parties themselves, including their lack of preparation for marriage and inability to achieve mutual accommodation. He recommends that pending divorce proceedings should be interrupted at the Court's discretion and that the parties should submit to competent therapeutic treatment furnished "at the cost of the State."—C. R. Adams.

6322. Sillman, Leonard R. *Monotheism and the sense of reality.* *Int. J. Psycho-Anal.*, 1949, 30, 124-132.—The monotheism of Judeo-Christian religion has developed a sense of reality which has

stimulated the great expansion of science and industry. "To prevent its becoming a veritable Frankenstein monster it is imperative that its use be guided by an ever stricter sense of moral responsibility and an ever keener sense of social realities." Otherwise, the destruction of Western Civilization is in danger.—N. H. Pronko.

(See also abstract 6221)

LANGUAGE & COMMUNICATION

6323. Baker, Sidney J. *The sexual symbolism of language.* *Int. J. Sexol.*, 1948, 2, 13-18.—Language students have noted that "similar metaphors appear in languages that are far removed from each other." A similar imagery involving sexual organs and body functions arises in languages having no known historical link. It may be that Freud's unconscious symbolism is not confined solely to dreams but "may be the basic symbolism of at least some part of language." In this setting an interpersonal speech act becomes a symbolic sexual act. Simple primitive themes arising out of unconscious infantile experience "are to language what the latent dream symbols are to the manifest content of the dream."—C. R. Adams.

6324. Burke, Kenneth. *A rhetoric of motives.* New York: Prentice-Hall, 1950. xv, 340 p. \$5.00.—In this second volume of the author's planned trilogy (Cf. 20: 1987 for *A grammar of motives*), he derives a philosophy of motivation from the notion of man as an essentially symbol-using animal and from the dialectical device of reconciling opposites by transcending them.—M. R. Sheehan.

6325. Eisenson, Jon. (*Queens Coll., Flushing, N. Y.*) *Basic speech: a college text.* New York: Macmillan, 1950. xi, 344 p. \$3.00.—"The ultimate objective of this book is to assist the student in becoming not only an adequate speaker but an adequate personality." The author considers an effective speaker to be one who "is able to modify the manner and content of his speech to the speaking situation." Basic information about components of speech—language, action, and voice is given with pertinent applications of these materials to everyday speaking situations. The approach to improvement of voice and diction is made through a study of vocal production, phonetics, and practice materials. Throughout the book the author's emphasis is on communication of meaning.—J. Matthews.

6326. Inkeles, Alex. *Public opinion in Soviet Russia; a study in mass persuasion.* Cambridge, Mass.: Harvard Univ. Press, 1950. xviii, 379 p. \$5.00.—The modern techniques of mass communication, employed in Russia to mobilize public opinion in support of the Communist Party and the Soviet regime, are presented and analyzed. The organization, structure, and functioning of the press, radio, and film are discussed and their role in mass persuasion shown. Related topics such as "oral agitation," "self-criticism," and censorship are described and analyzed. 119 references.—I. D. London.

6327. Leopold, Werner F. (*Northwestern U., Evanston, Ill.*) **Speech development of a bilingual child; a linguist's record.** Vol. III. Grammar and general problems in the first two years. Evanston, Ill.: Northwestern University Press, 1949. x, 200 p. \$5.00. (*Northwestern U. Stud. in Humanities*, No. 18.)—The present volume deals with problems of grammar, syntax and morphology of the speech during the first 2 years of the author's daughter. Some attention is given to an attempt "to fit the child's semantic learning into the traditional classification of semantics: extension of meaning and restriction of meaning." The last section is concerned with such general topics as selectiveness of imitation, motivation, gestures, understanding and speaking, echolalia, memory, stages of learning, bilingualism. Because the subject for study (author's daughter) was not bilingual in the full sense of the word by age 2 the emphasis in this volume is more on speech-development than on bilingualism.—*J. Matthews.*

(See also abstracts 6269, 6505)

CLINICAL PSYCHOLOGY, GUIDANCE, COUNSELING

6328. Carter, Jerry W., Jr. (*U. S. Publ. Health Ser., Washington, D. C.*) **The community services program of the National Institute of Mental Health, U. S. Public Health Service.** *J. clin. Psychol.*, 1950, 6, 112-117.—The author summarizes the organizational structure of the National Institute for Mental Health, the agency administering the National Health Act, and outlines the magnitude of the needs that led to the development of this program. Primary emphasis is placed on the Community Services Branch of the Institute.—*L. B. Heathers.*

6329. Coughlan, W. G. **Marriage counselling in Australia & New Zealand.** *Int. J. Sexol.*, 1948, 2, 118-123.—In 1939 New Zealand established panels of voluntary marriage conciliators as an adjunct to maintenance claims and not to divorce proceedings. Figures indicate that reconciliation occurred in about 20% of cases referred. Counselling Association started in Sydney, Australia in 1947 and its activities are expected to extend to Adelaide, Brisbane, and Melbourne.—*C. R. Adams.*

6330. Herrold, Kenneth F. (*Teachers Coll., Columbia U., New York.*) **The citizen works for mental health: I. He takes on a serious job—participation.** *Ment. Hyg., N. Y.*, 1950, 34, 177-184.—An emphatic plea for the active participation of the laity in mental hygiene programs of the community. The author states, "The critical work in mental hygiene that needs to be done can be done only by the citizen, with the assistance of the professionals."—*M. A. Seidenfeld.*

6331. Hisock, Ira V., & Gruenberg, Ernest M. (*Yale U., New Haven, Conn.*) **Teaching of mental hygiene for graduate students in public health.** *Amer. J. Publ. Hlth*, 1950, 40, 591-594.—The

importance of public health officers having knowledge of and interest in mental hygiene is pointed out. The authors outline the topics to be covered in teaching mental hygiene to graduate students in the field of public health.—*R. S. Waldrop.*

6332. Jacobsen, Carlyle F. (*State U. Iowa, Iowa City.*) **Symposium: psychology in the field of community services. Introduction.** *J. clin. Psychol.*, 1950, 6, 110-111.—This is a brief introduction to a series of articles arising out of the increased interest and activity in community mental health activities fostered by the National Mental Health Act. (See entry Nos. 6152, 6328, 6336, 6344, 6386.)—*L. B. Heathers.*

6333. Langford, William S., et al: **The professional person—a mental-hygiene resource.** *Ment. Hyg., N. Y.*, 1950, 34, 262-286.—The report of a symposium held at the 49th Annual Meeting of the N. Y. State Conference on Social Work in which Langford, Eleanor Gochanour, Ruth Fisdale, Alice V. Keliher, Otis Rice, and Alfred M. Lindau briefly review the role which the physician, nurse, social worker, teacher, minister and the lawyer respectively may play in the mental hygiene program and the mental health of the individual.—*M. A. Seidenfeld.*

6334. Menninger, William C. **How community forces affect the family.** *Bull. Menninger Clin.*, 1950, 14, 53-60.—Mental health depends chiefly upon personal interrelations, in the family and in the larger community. The most effective mental hygiene workers will not be psychiatrists, but parents, teachers, and community leaders in general. The activities of the community must be integrated in terms of family needs. Committees of interested citizens within each community ought to evaluate the types and causes of social pressures that are threatening families and to enlighten the community about the needs and the possible corrective measures.—*W. A. Varvel.*

6335. Novick, Rudolph G. **Community organization for mental health.** *Ment. Hyg., N. Y.*, 1950, 34, 203-218.—Pointing out that "taking mental health for granted" is a dangerous fallacy. Novick outlines rather fully the techniques by which a local or county organization for the promotion of mental health can be brought into being. The enlistment and cooperation of competent leadership should result in meeting at least 3 important needs; (1) an educational program; (2) a survey of existing community programs and facilities for future planning and action; and (3) a strong and enduring organization to carry out the educational and promotional activities. The author outlines plans for organization, education, promotion, use of official and non-official agencies as well as the function of a mental hygiene society.—*M. A. Seidenfeld.*

6336. Perkins, Keith J. (*Phoenix (Ariz.) Mental Health Center.*) **The opportunities and responsibilities of clinical psychology in the field of community services.** *J. clin. Psychol.*, 1950, 6, 117-121.—Entry into community services requires that the

psychologist adjust to working in new settings and with new groups of workers. It is important that he know the organization and methodology of the groups he will be working with and be able to accept the limits of his knowledge and skills so that he remains comfortable himself and non-threatening to others. Opportunities in various areas—pre-natal clinics, well baby clinics, nursery schools, etc.—are discussed. In most of these settings, the opportunity to express and discuss feelings and attitudes is needed more than the opportunity to receive facts and information.—*L. B. Heathers.*

6337. Ryan, W. Carson. **Mental hygiene in education.** *Amer. J. Psychiat.*, 1950, 106, 518-519.—Review of psychiatric progress 1949. 7 references.

6338. Stevenson, George S. (*National Committee for Mental Hygiene, New York.*) **How the social worker can contribute to the promotion of mental-hygiene services in the community.** *Ment. Hyg., N. Y.*, 1950, 34, 253-261.—Stevenson indicates the areas of service in which the social worker can contribute to the mental hygiene services within the community. Because of the breadth of training and experience, the wide contacts among the "normal" population as well as among those with deviant behavior will allow the social worker who accepts the challenge an opportunity to work for a general improvement of the family and home situation, the school and the community at large to the end they may provide leadership in developing conditions for improved mental health.—*M. A. Seidenfeld.*

6339. Tyson, Robert. (*Hunter Coll., New York.*) **The content of mental hygiene literature. II. The nature of its directives.** *J. clin. Psychol.*, 1950, 6, 156-159.—Following up his previous study (see 24: 1864), the author classifies the areas in which popular and academic books on mental hygiene give "directives." The areas are similar in popular and academic writings; emphasis on specific areas varies considerably from one author to another so that the emphasis in any writing seems a quite arbitrary one. 26-item bibliography.—*L. B. Heathers.*

6340. Wolf, Stewart. (*Cornell U. Med. Sch., New York.*) **The citizen works for mental health: II. He goes through the motions—lulling.** *Ment. Hyg., N. Y.*, 1950, 34, 185-191.—Wolf calls attention to the social significance of psychosomatic disturbances. There appears to be a real necessity for dealing with both individual and community attitudes to the end that more hygienic mental states can be attained.—*M. A. Seidenfeld.*

6341. Woodward, Luther E. **Psychiatric social work.** *Amer. J. Psychiat.*, 1950, 106, 537-539.—Review of psychiatric progress 1949; 26-item bibliography.

6342. Woolf, M. (*Psychoanalytic Soc., Tel-Aviv, Pal.*) **Mental hygiene in its relation to marriage and society.** *Int. J. Sexol.*, 1949, 3, 103-107.—Mental hygiene historically developed because of the "interest of humanity in the welfare of

the soul and this instinctive urge shall direct our efforts for the future." The most important problems needing attention are conflicts about sex, in marriage, and between parents and children. Through scientific conferences, foundation of scientific institutes, training of specialists in mental hygiene, publishing materials on hygiene problems, and opening guidance clinics, many of these problems could be solved.—*C. R. Adams.*

6343. Youngdahl, Luther W. **The challenging new frontier in mental health.** *Bull. Menninger Clin.*, 1950, 14, 42-52.—The great challenge of today is that of applying social concepts and human values in the field of human relationships. The history of Minnesota, in discharging its public psychiatric functions, has been similar to that of most states: the state hospitals arose as custodial institutions, as the asylums of a pre-psychiatric era. Beginning with the establishment of the Citizen's Mental Health Committee to develop an enlightened and aroused public opinion, Minnesota has recently initiated a new program aimed at securing modern mental health services.—*W. A. Varvel.*

6344. Zander, Alvin. (*U. Michigan, Ann Arbor.*) **Psychological research in the community mental health service field.** *J. clin. Psychol.*, 1950, 6, 123-127.—The author defines various levels of research areas in the community mental health service field. Concrete examples are given of possible research problems at each level. This field of research is viewed as a very challenging one for the psychologist with a social conscience.—*L. B. Heathers.*

(See also abstract 6494)

METHODOLOGY, TECHNIQUES

6345. Gorman, Joanna F. **The role of the psychiatric social worker in first interviews with patients and relatives of patients in a state mental hospital: a discussion of selected cases from the State Hospital at Raleigh, North Carolina.** In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 379. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6346. **New York City Committee on Mental Hygiene. New York State Charities Aid Association. The functioning of psychiatric clinics in New York City; a study toward the prevention of waste.** New York: New York City Committee on Mental Hygiene of State Charities Aid Assoc., 1949, 29 p.—Based on a sampling of 4 representative clinics, this report deals with methods of referral, and care received through the clinics. It was found that about 50% of the patients in the study were accepted for treatment after referral to the psychiatric clinic which reflects a considerable waste of valuable psychiatric time. About one-fourth of those accepted appeared to benefit from treatment. Methods for improving the referral situation as well as the therapeutic process are suggested.—*M. A. Seidenfeld.*

(See also abstracts 6155, 6538)

DIAGNOSIS & EVALUATION

6347. Barnett, Irving. (State U. Iowa, Iowa City.) The use of Z scores in equating the Wechsler-Bellevue sub-tests. *J. clin. Psychol.*, 1950, 6, 184-188.—In view of differences in M's and S.D.'s for various age groups on the subtests of the Wechsler-Bellevue, it is suggested that Z scores rather than the usual scaled scores be utilized in making scatter analyses of the subtests.—L. B. Heathers.
6348. Brown, Manuel N. (VA Hosp., Vancouver, Wash.) Evaluating and scoring the Minnesota Multiphasic "Cannot Say" items. *J. clin. Psychol.*, 1950, 6, 180-184.—Many items placed in the "Cannot Say" category of the MMPI probably could be answered if the client wished. A method is proposed for scoring these items, at half value, on the various scales of the test.—L. B. Heathers.
6349. Canepa, Giacomo. Il concetto di proiezione e le sue applicazioni allo studio della personalità. (The concept of projection and its applications to the study of personality.) *Arch. Psicol. Neurol. Psichiat.*, 1950, 11, 1-16.—Rorschach and T.A.T. are used for an experiment in which S answers with a word to their successive presentation; the word and time are recorded. A supplementary investigation of each S indicates whether the same word is used when stimuli are presented again, whether S can identify the objective or subjective element determining his answer. The author considers that the projective process is a function of the attitude of the E and of the material used. The projection proper can be distinguished into direct projection (immediate answer to the stimulus) and indirect projection (result of interpretation on the basis of all answers given by S). 30-item bibliography.—A. Manoil.
6350. Estes, Stanley G. Psychometrics. *Amer. J. Psychiat.*, 1950, 106, 510-511.—Review of psychiatric progress 1949. 6 references.
6351. Gehl, Raymond H., (Union County Mental Hygiene Society, Plainfield, N. Y.), & Kutash, Samuel B. Psychiatric aspects of a graphomotor projection technique. *Psychiat. Quart.*, 1949, 23, 539-547.—A new graphomotor projection technique is described. Preliminary interpretive information is based upon a six months study of 200 psychiatric patients and 50 persons not needing psychiatric treatment. Sample records and three case histories are given.—M. P. Klinger.
6352. Germain, Jose, & Yela, Mariano. El metodo de los factores componentes de Carl R. Rogers. (Rogers's method of component factors.) *Rev. Psicol. gen. apl.*, Madrid, 1949, 4, 325-336.—Rogers's rating sheet for evaluating the personality of problem children is explained. Eight basic components are rated on a 7 point scale. For each rating point of each component sample descriptions are given the rater as a comparison standard.—E. Elias.
6353. Harriman, Mildred, & Harriman, Philip Lawrence. (Bucknell U., Lewisburg, Pa.) The Bender Visual Motor Gestalt Test as a measure of school readiness. *J. clin. Psychol.*, 1950, 6, 175-177.—"Appraisal of the Bender Visual Motor Gestalt Test results shows that there are significant differences in at least four major determinants when five-year-old and seven-year-old 'normal' children are compared. These variances may be accounted for in part by the fact that the older children have had more training in task-oriented work, with standards imposed by adults. In large part, however, they seem to be the result of important differences in maturational levels. The sensory-perceptual-motor responses of children in the second grade tend to resemble those of adults. The responses of children in the nursery school exemplify idiosyncratic examples of syncretistic behavior. In other words, reduction of autokinetic effects is the most obvious cause for the differences which may be observed in a comparative study of this type."—L. B. Heathers.
6354. Hartman, A. A. (Boston U., Mass.) An experimental examination of the Thematic Apperception technique in clinical diagnosis. *Psychol. Monogr.*, 1949, 63(8), Whole No. 303, v. 48 p.—The author analyzed TAT records and certain other personality test results on 35 psychiatric patients. He concludes that the TAT is diagnostic of major areas of personality, it yields statistically and clinically significant predictors of behavior and personality, there is little basis for distinction between form and content elements, and that formal characteristics of TAT responses should be given increased emphasis.—M. A. Seidenfeld.
6355. Hughes, Robert Moore. A factor analysis of Rorschach diagnostic signs. In *University of North Carolina Record, Research in progress* . . . 1948. Chapel Hill, N. C., 1949, No. 464, 335-336. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.
6356. Kitay, Julian I. (Princeton U., N. J.) The Bender Gestalt Test as a projective technique. *J. clin. Psychol.*, 1950, 6, 170-174.—"(1) An objective scoring method is proposed for the Bender Gestalt test based upon deviation of the results from the standard figures. (2) The scoring method was found to have high reliability. (3) The V score which measures intra-individual variability is related to the degree of adherence to, or departure from form elements. (4) The D score, representing tendencies toward expansion or contraction of the test figures, seems to indicate the relative control or lack of control of affect. (5) Theoretical problems involved in validation are discussed and suggestions are made for further study." 20 references.—L. B. Heathers.
6357. Linares Maza, A. El "análisis del destino"—tercera escuela psicoanalítica—y su diagnóstico experimental de los instintos. (The analysis of destiny—the third psychoanalytical school—and its psychodiagnostic measure of instincts.) *Rev. Psicol. gen. Apl.*, Madrid, 1949, 4, 285-305.—Szondi's system posits the transmission via the recessive genes of varying aspects of 4 basic instincts in 16 tendencies which appear in the individual in the form of 3 types of possibilities: normal, pathological, and sublimated. He recognizes that various de-

velopmental influences will determine the final personality constellation; therefore the individual's final personality is not rigidly predetermined by these inherited qualities. The Szondi test based on these principles is described.—*G. Elias.*

6358. Papavassiliou, Ioannis. Notes sur l'application du Test du Bonhomme en Grèce. (Notes on the application of the Draw-a-Man Test in Greece.) *Z. Kinderpsychiat.*, 1950, 16, 129-133.—For 86 boys and girls of 5-14 years, Terman Test and Draw-a-Man Test data were compared for mental age. For a large number, the two tests differ about 1.5 years and the author therefore assumes that where there is this difference between CA and drawing test MA, the child will probably prove normal on the Terman. Where the difference is greater, there is probably retardation. For higher IQ's, there is less difference between CA and drawing-age.—*G. Rubin-Rabson.*

6359. Peixotto, Helen E. (Catholic U. America, Washington, D. C.) Wechsler-Bellevue sub-test patterns; a note of caution. *J. clin. Psychol.*, 1950, 6, 188-190.—Some of the scatter patterns for various clinical groups on the Wechsler-Bellevue were applied to a varied group of 155 patients seen in a clinic at Hawaii. The various clinical groups did not follow the expected patterns. The author feels one should, then, be cautious in applying the sign approach technique.—*L. B. Heathers.*

6360. Serrate Torrente, Agustín. Clasificación de las respuestas en la prueba Behn-Rorschach. (Scoring of responses on the Behn-Rorschach test.) *Rev. Psicol. gen. apl.*, Madrid, 1949, 4, 259-284.—Based on 208 administrations of the Behn-Rorschach and of reports of administrations thereof by others the responses given for each of the cards are classified and scored in Rorschach symbols. Standardization of the Behn-Rorschach is recommended to supply the need of a second test measuring essentially the same factors as the Rorschach.—*G. Elias.*

6361. Whiteman, Mordecai. (Delaware State Hosp., Farnhurst.) Altitude as a reference point in scatter analysis. *J. clin. Psychol.*, 1950, 6, 160-164.—"In order to assess the value of altitude as a reference point, the Wechsler-Bellevue sub-test deviations from altitude of 50 schizophrenics and 50 nurse applicants were compared. Significant differences were obtained. The stability, invulnerability, and significance of altitude as a measure of intelligence were compared with those of the standard reference indices. It is concluded that within the limits of the size and selectivity of our experimental populations, altitude offers promise of being a practicable, psychologically meaningful, and experimentally fruitful vantage point for the derivation of scatter patterns."—*L. B. Heathers.*

6362. Zierer, Ernest. (Hillside Hosp., Bellerose, N. Y.) Dynamics and diagnostic value of creative therapy; the body-space test. *Acta med. orient.*, Jerusalem, 1950, 9, 35-42.—A new test is described that makes possible the differentiation between neurosis and psychosis. This body-space test consists of 5 drawings in crayon, the average testing

time being 40 minutes. Decisive for the evaluation of the test is the patient's body-space concept only. By the interrelation of body and space the evolutionary structure of the personality manifests itself directly. In psychotics the body-space relation is manifested in regression to the pregenital level. The method of evaluating is illustrated with drawings. The test proved reliable in differentiating neurosis from psychosis in about 86% of 1800 patients to whom it was administered.—*F. C. Sumner.*

(See also abstracts 6134, 6402, 6479, 6484, 6485)

TREATMENT METHODS

6363. Allen, Frederick H. Some basic principles of psychotherapy with children. *Amer. J. Psychother.*, 1950, 4, 325-334.—Abstract and discussion.—*C. B. Greene.*

6364. Berger, Milton, M., & Glueck, Bernard C., Jr. (Stony Lodge, Ossining, N. Y.) The telephone—its use as a psychiatric treatment adjunct. *Psychiat. Quart.*, 1949, 23, 522-529.—Five cases are presented which illustrate the free use of the telephone by the patients. The telephone serves as a means of alleviating anxiety and panic, helps in establishing a rapport, and encourages the patient to face reality.—*M. B. Klinger.*

6365. Breckir, Nathaniel J. (Brooklyn State Hosp., N. Y.) Hospital orientation and training program for group psychotherapy of schizophrenic patients. *Psychiat. Quart.*, 1950, 24, 131-143.—Report is based on a two year project sponsored by the National Committee for Mental Hygiene. The project, developments, and formulations including the structure of the group, audio-visual stimulus, recordings and charts, outpatient department, and staff difficulties are discussed. The author concludes that verification of the hypotheses, that social functions can be restored through group psychotherapy was validated through qualitative performance. Experience in recording group sessions leads the writer to believe that by itself this procedure has no special value. Further, there is a realistic need for a nation-wide mental hygiene program totally oriented to the principles of group organization. 34 references.—*M. P. Klinger.*

6366. Dawley, Harriet W. An analysis of case work with parolees from a state mental hospital. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 378. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6367. Ellis, Albert. (Diagnostic Center, Menlo Park, N. J.) Requisites for research in psychotherapy. *J. clin. Psychol.*, 1950, 6, 152-156.—"It is to be hoped that researchers in psychotherapy from many different schools will give due consideration to projects that seek beyond the mere verbalizations of the patients; that make use of maximally incisive and meaningful psychotherapeutic concepts; that include adequate diagnostic or descriptive information on the cases studied; that are planned

from the start as controlled experiments in psychotherapy, and are executed in a truly cooperative manner; that take due account of sampling and generalizing to appropriate universes; and that, while paying adequate attention to questions of reliability and objective quantification, also carry out necessary contextual, configurational, and qualitative analyses of the data obtained from the recording of psychotherapeutic sessions."—*L. B. Heathers.*

6368. Fisher, Frances M. (*Western Psychiatric Institute, Pittsburgh, Pa.*) **The training of psychiatric nurses in an outpatient clinic.** *Ment. Hyg., N. Y.*, 1950, 34, 196-202.—Fisher describes an experimental program at Western Psychiatric Institute and Clinic in Pittsburgh wherein nurses are taught the social work discipline in order that they may better understand their relationship to this professional group. Improved understanding of the patient's problems, of the role of the family and home situation and the importance of seeing the patient in terms of the broad total situation helps the nurse to more adequately recognize the importance of the social worker's contribution to medical care, and should result in a forward step in professional relationships.—*M. A. Seidenfeld.*

6369. Grant, Frances F. **The "Kasperl Theatre" as play therapy.** *Amer. J. Psychother.*, 1950, 4, 279-285.—The "Kasperl Puppet Show," though basically differing from the Punch and Judy variety, allows for essentially the same possible therapeutic results. Audience participation is encouraged and identification with the puppets brings to light problems and conflicts.—*C. B. Greene.*

6370. Hofling, Charles K. (*U. Cincinnati Coll. Med., O.*) **Hypnosis and hypno-therapy.** *Cincinnati. J. Med.*, 1949, 30, 598-606.—An epitome of recent literature on hypnosis and hypno-therapy is given under the following captions: (1) the nature of hypnosis; (2) techniques of hypnosis; and (3) therapeutic applications.—*F. C. Sumner.*

6371. Hubbard, L. Ron. **Dianetics; the modern science of mental health; a handbook of dianetic therapy.** New York: Hermitage House, 1950. xxvii, 452 p. \$4.00.—"The present volume deals with Individual Dianetics and is a handbook containing the necessary skills both for the handling of interpersonal relations and the treatment of the mind." Book I discusses the scope of dianetics with reference to the goal of man. Book II traces the single source of all inorganic mental and organic psycho-somatic ills to engrams from the prenatal period on. Book III presents various therapeutic techniques. There is an introduction by J. A. Winter, M.D.—*N. H. Pronko.*

6372. Janis, Irving L. (*Yale U., New Haven, Conn.*) **Psychologic effects of electric convulsive treatments. (III. Changes in affective disturbances).** *J. nerv. ment. Dis.*, 1950, 111, 469-489.—Four different kinds of self-rating scales for determining affective attitudes were administered to ECT patients shortly before, and 4 weeks after an electroshock series of treatments as well as to a control

group. Results show a reduction in affective disturbances following shock. The possible role of post-treatment amnesia in producing these affective changes is discussed.—*N. H. Pronko.*

6373. Klapman, J. W. (*8 E. Walton, Chicago 11, Ill.*) **Observations on the "shuttle" process in individual-group psychotherapy.** *Psychiat. Quart.*, 1950, 24, 124-130.—Patients conditionally discharged from Illinois State mental hospitals are seen at the Clinic during a year period. A number receive individual psychotherapy and also voluntarily may attend group psychotherapy sessions. Through this shuttling back and forth between individual and group psychotherapy, events and complications of the treatment which might go unnoticed are often brought into sharper relief and are more dramatically demonstrated to the patient and making for enrichment of personality.—*M. P. Klinger.*

6374. Lidz, Theodore, & Fleck, Stephen. (*Johns Hopkins U., Baltimore, Md.*) **Integration of medical and psychiatric methods and objectives on a medical service.** *Psychosom. Med.*, 1950, 12, 103-107.—A discussion is offered of therapeutic activity for medical ward patients concerned with medical treatment directed towards the readjustment of the patient to his environment. It extends therapy to include the social and emotional requirements of the patient.—*J. W. Bowles, Jr.*

6375. Lipton, Edgar L. **The amytal interview; a review.** *Amer. Practit. & Dig. Treatm.*, 1950, 1, 148-163.—The literature pertaining to amytal interview, variously called narcosynthesis, narcoanalysis, narcohypnoanalysis, pentothal interview, narcosuggestion, narcotherapy, is here reviewed under the following captions: the drugs used and the physiologic and pharmacologic actions of the barbiturates; the technic; individual psychotherapy; effective applications; narcosis versus hypnosis. The single most important conclusion to be derived from the literature in the opinion of the author is that the use of this procedure should not be taken lightly. Amytal interview is not without its psychic dangers to the patient and a thorough understanding of psychodynamics is a necessary qualification. 69 references.—*F. C. Sumner.*

6376. Mayers, Albert Nordeman. (*55 E. 86th St., New York.*) **A psychiatric evaluation of discussion groups.** *J. nerv. ment. Dis.*, 1950, 111, 499-509.—A description of the Veteran Civilian Project of the New York Adult Education Council presents the role of the psychiatrist in discussion groups and the psychotherapeutic devices that occur in the group. Among these mechanisms are catharsis, verbalization of fantasy and subsequent testing of reality, transference-like reactions to the group leader and the group identification with democratic action, and changes in attitudes that tend to overcome neurotic social attitudes. The applicability of these findings to nationalistic feelings is considered.—*N. H. Pronko.*

6377. Rogers, Carl R. (*U. Chicago, Ill.*) **Aspectos fundamentales de la psicoterapia centrada en el**

paciente. (Fundamental aspects of client-centered therapy.) *Rev. Psicol. gen. apl., Madrid*, 1949, 4, 215-237.—In client-centered therapy five specific stages of client growth can be predicted regardless of the depth of the patient's disturbance. Non-directive therapy is predictable because it relies on the universal inner forces leading to growth and adjustment existing in all individuals. Training in psychotherapy qualifies workers better for understanding of human dynamics than does memorization of imputed nosological syndromes. Portrait of Rogers facing p. 215.—G. Elias.

6378. Tame', Cesare. Sull' utilita dell' associazione elettroshock—narcosi barbiturica. (On the usefulness of the association barbituric narcosis-electroshock.) *Arch. Psicol. Neurol. Psichiat.*, 1950, 11, 17-21.—Practical advantages of combining electroshock therapy with narcosis are presented. Electroshock in narcosis is useful in cases of extreme sensitivity or refusal to submit to electroshock; also the danger of fractures is greatly reduced in some cases. Narcosis after electroshock avoids the development of anxiety states, facilitates almost normal sleep, and in many cases eliminates cephalalgia. On the basis of personal experience the author reaffirms the usefulness and therapeutic efficacy of the thiobarbituric narcosis during electroshock therapy.—A. Manoil.

6379. Wender, Louis, & Stein, Aaron. (Beth Israel Hosp., New York 3.) Group psychotherapy as an aid to out-patient treatments. *Psychiat. Quart.*, 1949, 23, 415-424.—Eleven of fourteen patients who received individual psychotherapy as well as group therapy for a year and improved markedly, demonstrate group therapy can be used successfully in an out-patient clinic.—M. P. Klinger.

6380. Whitaker, Carl A., Warkentin, John, & Johnson, Nan. (Emory U., 36 Butler Street, S.E. Atlanta 3, Ga.) A philosophical basis for brief psychotherapy. *Psychiat. Quart.*, 1949, 23, 439-443.—Brief psychotherapy used experimentally with two therapists treating one patient has been found valuable in teaching as well as in helping the patient break the pattern of child-like attachments. Three principles are elaborated upon; (1) Therapist directive in developing emotional relationship. (2) Therapist consistently refuse to participate in patient's real life or decisions. (3) Healthy countertransference.—M. P. Klinger.

6381. Winnicott, D. W. Hate in the countertransference. *Int. J. Psycho-Anal.*, 1949, 30, 69-74.—An analyst's relation to his patient is compared to that of a mother toward her infant. In the early portion of analysis, the patient cannot even unconsciously appreciate the viewpoint of the analyst because of lack of identification. The analyst's necessary hate toward the patient will not be understood as the result of the patient's crude way of loving the analyst. The hatred of those who work with psychotics should be studied so as to adapt

therapy to the patient's rather than the analyst's needs.—N. H. Pronko.

(See also abstracts 6153, 6156, 6238, 6391, 6398, 6433, 6438)

CHILD GUIDANCE

6382. Bradley, Charles. (3181 S. W. Marquam Hill Road, Portland, Ore.) Benzedrine® and dexedrine® in the treatment of children's behavior disorders. *Pediatrics*, 1950, 5, 24-37.—The effect of benzedrine® and dexedrine® on the behavior of problem children was studied in the somewhat controlled environment of a psychiatric hospital for children. Observations were made over a period of 12 years on 275 children receiving benzedrine®, on 113 receiving dexedrine® and on 82 receiving both preparations. The daily optimal dose was: benzedrine® 20 mg. and dexedrine® 10 mg. Results were approximately the same with either drug, 50 to 60% of the children becoming more subdued, 15 to 25% showing no change, 20% showing increased activity, and 5% showing an acceleration of school progress only.—F. C. Sumner.

6383. Kanner, Leo. Child psychiatry. Mental deficiency. *Amer. J. Psychiat.*, 1950, 106, 515-518.—Review of psychiatric progress 1949; 27-item bibliography.

6384. Limbosch, N. La contribution adlerienne a l'aide aux enfants difficiles. (Adlerian contribution to help difficult children.) *Rev. Sci. Pédag.*, 1949, 11, 41-75.—The essential principle of Adler's theory is: the aim of every individual is his own accomplishment. The author shows that Adlerian clinics are numerous in Europe, especially in Germany and Austria. These clinics have shown the importance of the Adlerian contribution in treating character difficulties.—R. Piret.

6385. Plant, James S. The envelope: a study of the impact of the world upon the child. New York: Commonwealth Fund, 1950. vii, 299 p. \$3.00.—"Between the need of the child and the sweep of social pressures lies a membrane—a sort of psychosomatic envelope of transcending importance, . . ." which is the personality's ability "to shut out large sectors of its environment and to translate those parts that it takes on into usable or understandable material." From the point of view set by this concept the author explores the impact of environment on children seen over a quarter century at the Essex County Juvenile Clinic. 21 types of problems are discussed in terms of the influence of the social environment from infancy to adolescence.—C. M. Louttit.

6386. Richards, T. W. (Northwestern U., Evanston, Ill.) Experiment in psychological service for the small community. *J. clin. Psychol.*, 1950, 6, 121-123.—This is a description of a 3-day child guidance clinic held in a small town in Illinois. A few children were seen, talks were given to various groups, and the project was rather well publicized in the town newspaper. Two months later a survey

was made of the community. Very few persons had been affected by the project, many of them expressed no interest in seeking professional help on children's problems, psychologists were rated below teachers, friends, and church organizations as sources for such help.—*L. B. Heathers.*

(See also abstracts 6352, 6363, 6535)

VOCATIONAL GUIDANCE

6387. Davis, Fred Raymond. The value of the *Dictionary of Occupational Titles* as an aid in occupational counseling. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 101-105.—Abstract of Ph.D. thesis.

6388. Hicks, June Marion. Vocational guidance through high school English instruction. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 106. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6389. Horne, John Hannan. A study of veterans rehabilitation and job success as compared with advisements based upon test results. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 108-109. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6390. Martin, Josephine. The vocational choices of high school seniors in Vance County, North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 308-309. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

BEHAVIOR DEVIATIONS

6391. Ashby, Winifred. (*St. Elizabeths Hosp., Washington, D. C.*) An approach to the solution of mental dysfunction through brain enzyme studies. *Amer. J. Psychiat.*, 1950, 106, 491-496.—As a result of an intensive study of carbonic anhydrase, a method for selecting enzymes whose exploration in relation to mental dysfunction seems warranted is presented. The author points to the possibility of an approach to the study of mental sickness through enzyme chemistry. 17 references.—*D. E. Walton.*

6392. Diethelm, Oskar (*New York Hosp.*), & Regan, Peter F. Postconvulsive psychopathologic states in electric convulsive treatment. *Psychosom. Med.*, 1950, 12, 78-85.—A picture test with four scenes and three Gestalt figures was administered to 42 postconvulsive patients. A disturbance in correlation of isolated items and in the integration of the whole picture was noted. Recognition of Gestalt was affected when this disturbance was marked. Similar results are reported for an epileptic patient during a confusional episode. The findings are felt to correspond to some of the features of epileptic disorders of consciousness of petit-mal and fugue states.—*J. W. Bowles, Jr.*

6393. Drayer, Calvin S. Military psychiatry. *Amer. J. Psychiat.*, 1950, 106, 544-545.—Review of psychiatric progress 1949; 13-item bibliography.

6394. Dreyfuss, Daniel K. Delayed epileptiform effects of traumatic war neuroses and Freud's death instinct theory. *Int. J. Psycho-Anal.*, 1949, 30, 75-91.—The delayed epileptiform attacks following trauma are related to breaking through of inner forces through a weakened protective barrier raised by the Ego although it cannot be stated that a death instinct which is found in every personality is released by the trauma and pushed into the background by the cure; "in other words, whether or not a more favorable relation between Eros and Thanatos is achieved by the cure" cannot be answered although such cases are connected closely to the problem of the death instincts.—*N. H. Pronko.*

6395. Giordano, G. B. La morbidità per le varie malattie mentali della popolazione della provincia di Como durante un ventennio. (Morbidity for various mental diseases in the population of the province of Como during twenty years.) *Arch. Psicol. Neurol. Psychiat.*, 1950, 11, 22-82.—A statistical study of the new admissions (3985 cases) to the provincial psychiatric hospital of Como (Italy) during 1920-1945 is presented. The results show a distribution by geographic regions (urban, mountain, plain) symmetrical to the distribution of the general population; the distribution by sex in various classifications is partially different from the distribution in other localities; finally, the admissions by nosological groups have a different distribution in the three zones of the province considered. Detailed statistical information as to age, sex, origin, frequency per 1000 general population is provided. 25-item bibliography.—*A. Manoil.*

6396. Glueck, B. Social psychopathology. *Amer. J. Psychiat.*, 1950, 106, 539-541.—Review of psychiatric progress 1949. 5 references.

6397. Hadfield, J. A. (*U. London, Eng.*) Psychology and mental health; a contribution to developmental psychology. London: George Allen and Unwin, 1950. (New York: Macmillan.) 444 p. \$2.75.—This mental health text treats in Part I general considerations such as the scope of mental health; the determinants of behavior; types of character traits and delinquency; the psychoneuroses biologically considered; general aetiology of the psychoneuroses; in Part II clinical aspects such as psychosomatic disorders, traumatic neurosis, hysteria, anxiety states, anxiety hysteria, obsessional neuroses, clinical obsessional types, disorders of personality, sex perversions and aberrations, clinical types of sex disorder; in Part III therapeutic procedures.—*F. C. Sumner.*

6398. Hoch, Paul H., & Lewis, Nolan D. C. General clinical psychiatry, psychosomatic medicine, psychotherapy, and group therapy. *Amer. J. Psychiat.*, 1950, 106, 512-515.—Review of psychiatric progress 1949. 19 references.

6399. Kallmann, Franz J. Heredity and eugenics. *Amer. J. Psychiat.*, 1950, 106, 501-503.—Review of psychiatric progress 1949; 65-item bibliography.

6400. Overholser, Winfred. Administrative and forensic psychiatry. *Amer. J. Psychiat.*, 1950, 106,

541-544. Review of psychiatric progress 1949; 53-item bibliography.

6401. Rice, George Fenton. The function of the psychiatric case worker in a state mental hospital. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 380-381. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6402. Saul, Leon J. The nature of neurotic reactions. *Amer. J. Psychiat.*, 1950, 106, 547-548.—The functional neuroses and psychoses are ways of reacting which everyone has in some degree. The universality of the mechanisms and their use in a diagnosis are discussed. In the light of some modern writings dealing with these ways of reacting as though they were discrete disease entities, the author feels clarification and emphasis are still needed.—D. E. Walton.

6403. Selye, Hans, & Fortier, Claude. (U. Montreal, Quebec, Can.) Adaptive reaction to stress. *Psychosom. Med.*, 1950, 12, 149-157.—The general-adaptation-syndrome, the response of the body to stress, is said to be largely dependent upon the nervous system and to develop in three stages: the alarm reaction, the stage of resistance, the stage of exhaustion. The "diseases of adaptation" are outlined and the nervous mechanisms of these biological reactions are considered. 120-item bibliography.—J. W. Bowles, Jr.

6404. Williams, U. P. (Command & General Staff Coll., Fort Leavenworth, Kan.) They may not die—but they wither fast. *Milit. Rev., Ft Leavenworth*, 1950, 30, 16-23.—Williams points out the importance of reducing neuropsychiatric casualties. He suggests, that casualties can be reduced by carefully introducing units and replacements to combat. A temporary reduction in neuropsychiatric casualties can be effected by giving the combat infantry man short but frequent rehabilitating periods of relief, but no appreciable permanent reduction in the neuropsychiatric casualty rate can be obtained by providing only short periods of relief from front lines. Rotation of individuals from front lines to less strenuous and dangerous duty after a stated combat tour offers the only practicable method for providing extended relief for the combat infantryman.—M. A. Seidenfeld.

(See also abstracts 6150, 6481)

MENTAL DEFICIENCY

6405. Condrau, Gion, & Klingler, Max. Präfrontale Leukotomie bei erethischer Idiotie. (Pre-frontal leukotomy in the case of erethetical idiocy.) *Z. kinderpsychiat.*, 1950, 16, 133-139.—The thesis that prefrontal leucotomy will reduce excitability in erethetical idiocy is not supported by a study of six cases in Zurich.—G. Rubin-Rabson.

6406. Oliver, Carol H. The role of casework in relation to problems of possible mental retardation in children referred to a mental hygiene clinic. A study based upon social casework with parents. In

University of North Carolina Record, Research in progress . . . 1948. Chapel Hill, N. C., 1949, No. 464, 380. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

(See also abstract 6383)

BEHAVIOR PROBLEMS

6407. Allen, Clifford. (Seamen's Hosp., Greenwich, Eng.) The sexual perversions and abnormalities: a study in the psychology of paraphilia. (2nd ed.) London: Oxford University Press, 1949. x, 346 p.—The nature and causation of the sexual perversions and malversions are explained, illustrative cases are furnished, methods of prevention and treatment are set forth, and in the final chapter medico-legal aspects of paraphilias are considered.—F. C. Sumner.

6408. Bergler, Edmund. Lesbianism, facts and fiction. *Marriage Hyg.*, 1948, 1, 197-202.—In this discussion of female homosexuality the psychoanalyst-author maintains that "unconsciously Lesbians, under the disguise of the husband-wife relationship, act the child-mother relationship." In the resulting conflict "a three-story structure is unconsciously erected: masochistic injustice collecting, warded off by pseudo-hatred, secondarily warded off by exaggerated pseudo-love towards a representative of the infantile image of the mother." The author concludes that the Lesbian is a curable neurotic with an aggressive rather than an erotic conflict.—C. R. Adams.

6409. Bowman, Karl M. Alcohol. Geriatrics. *Amer. J. Psychiat.*, 1950, 106, 524-526.—Review of psychiatric progress 1949. 5 references.

6410. Hendin, Herbert. (425 Riverside Drive, New York 25.) Attempted suicide: A psychiatric and statistical study. *Psychiat. Quart.*, 1950, 24, 39-46.—100 patients who attempted suicide were personally studied at Bellevue Psychiatric Hospital, New York City. In addition, 500 such cases in the files for the year of 1948 were analyzed. These data were compared with 902 cases of actual suicide of the same year in the city of New York. A study was made of the method, the intent, factors of depression, neurosis with depression, reactive depression, neurotic character disorders, involutional psychosis, schizophrenia, and alcoholism in relation to suicide. A description of the personality factors involved and described in the individuals attempting suicide should be of aid in clinical evaluation, diagnosis, prognosis, and in guiding therapy in patients who attempt suicide.—M. P. Klinger.

6411. [Karpman, Ben.] (St. Elizabeths Hosp., Washington, D. C.) From the autobiography of a liar; toward the clarification of the problem of psychopathic states. *Psychiat. Quart.*, 1949, 23, 497-521.—Part II of a case study (see 24: 4695), of a pathological liar serving a life sentence for murder is presented. The man's lies are opportunistic, defensive, slightly compensatory, and at the conscious or near conscious level. There is an attempt

to deceive with incapacity to appreciate the absurdity. A vague wish that he might have been different may have originated in a feeble super-ego which never found expression. Diagnostically the man's so-called psychosis was a malingered one. He belongs to the group of idiopathic psychopathy—of the aggressive, pedatory type.—*M. P. Klinger.*

6412. **Lamson, Herbert D.** (*Boston U., Mass.*) **Are American women frigid?** *Int. J. Sexol.*, 1950, 3, 162-167.—Defining frigidity as lack of sexual response to a man, this marriage teacher says female inhibition results from sexual miseducation, from conditioned homosexual feelings or traumatic sex experiences or other personality modifiers, from poor sexual techniques or inadequacies of her husband, and from certain personal or environmental factors over which wives have some control. Until medical, educational, and psychotherapeutic measures have been explored, it is unjustified to assume that women are frigid.—*C. R. Adams.*

6413. **Lanval, Marc.** (25-27 Rue des Allies, Parc Duden, Brussels, Belgium.) **General anaesthesia and female frigidity.** *Marriage Hyg.*, 1948, 1, 236-237.—The theory is advanced that female frigidity starting after years of satisfactory marital sex life is largely due to fear of rape generated in the pre-anesthetic stage of a major surgical operation. Strapping the conscious patient and applying a chloroform mask to her face produces in her a psychological linkage of "pre-anesthetic fear—rape phantasm—fear of coitus—frigidity." He proposes that oral pre-anesthesia ($\frac{3}{4}$ mg. chlor. scopolamine with $\frac{1}{2}$ ctgm. of chloralose) some three hours before the operation would eliminate rape phantasm and subsequent frigidity.—*C. R. Adams.*

6414. **Leuba, J.** **Introduction à l'étude clinique du narcissisme.** (Introduction to the clinical study of narcissism.) *Rev. franç. Psychanal.*, 1949, 13, 456-500.—Freud defined narcissism as the turning of the libido on the ego. The author would extend this to include inflection of the libido on the totality of the personality. As animals sacrifice body parts in escape, so the narcissistic patient abandons his symptom to flee the analyst. A variety of cases is presented to illustrate primary and secondary types, kinds of resistance and therapeutic approaches. The narcissism is fixed on the psychic need, the function or the organ which confines the greatest amount of libido at the moment of the trauma provoking the regression.—*G. Rubin-Rabson.*

6415. **McCreary, John K.** (*Bates Coll., Lewiston, Me.*) **Psychopathia homosexualis.** *Canad. J. Psychol.*, 1950, 4, 63-74.—The findings concerning homosexuality by Kinsey, Henry, and others, as well as psychoanalytic and other theories of sex deviants, are summarized and their social implications discussed.—*J. W. Bowles, Jr.*

6416. **Regardie, Francis I.** (3923 W. 6th Street, Los Angeles 5, Calif.) **Analysis of a homosexual.** *Psychiat. Quart.*, 1949, 23, 548-566.—A case of homosexuality with etiological factors of maladjustment is given in detail. Nocturnal dreams as well as

those produced during hypnosis and results of successful therapy accomplished in some 40 sessions are discussed.—*M. P. Klinger.*

6417. **Simon, Werner.** (*V. A. Hosp., St. Cloud, Minn.*) **Attempted suicide among veterans; a comparative study of fifty cases.** *J. nerv. ment. Dis.*, 1950, 111, 451-468.—An analysis is presented of attempted suicide among 50 veterans during their period of readjustment following discharge. Age, marital status, occupation, nationality, religion, education, family background, hereditary factors, personality types, diagnoses, durations of illness, alcoholism, method used, motives and combat participation are some of the variables explored. 22 patients were also studied by means of the Minnesota Multiphasic. Theories of suicide are also considered.—*N. H. Pronko.*

6418. **Stewart, David A.** (*U. New Brunswick, Fredericton, N. B., Can.*) **Alcoholism as a psychological problem.** *Canad. J. Psychol.*, 1950, 4, 75-80.—Alcoholics are described as having a personality configuration of emotional immaturity with a strong dependence component. The alcoholic develops a physiological dependence on alcohol and tension of a bio-psycho-social nature is said to be the basis of the alcoholic problem. Recovery is dependent upon total "surrender," or the acceptance of the self as an agent incapable of handling alcohol.—*J. W. Bowles, Jr.*

6419. **Van der Waals, H. G.** **Le narcissisme.** (Narcissism.) *Rev. franç. Psychanal.*, 1949, 13, 501-526.—Narcissism includes extremes of manifestation: the highest type of sublimation, the most extreme psychotic regression; the augmentation and the diminution of virile power; in the female, frigidity and attractiveness. It is a measure of defense against homosexuality; at the same time, the homosexual is particularly narcissistic. Narcissism and object-love can not be seen as completely opposed; indeed, if evolution is normal, narcissism is modified to accord increasingly with perfect object-love. The child's self-feeling is based in part on the pleasure and satisfaction lent by his body, but self-feeling seems to reach a satisfying degree only with the interiorization of love and esteem from outside.—*G. Rubin-Rabson.*

6420. **Vazifdar, S. S.** (*Whiteway Bldg., Hornby Road, Bombay, India.*) **A case of transvestism.** *Marriage Hyg.*, 1948, 1, 237.—This is a physician's case history (recorded in the first person) of a patient who requested surgical removal of his genitalia and the creation of a "hollow" in the perineum. The patient reports that he has an entirely feminine personality and seeks a feminine physical exterior even though it be limited to destroying the external sex organs.—*C. R. Adams.*

6421. **Wilson, George; Rupp, Charles, & Wilson, William W.** (*Philadelphia (Pa.) General Hosp.*) **Amnesia.** *Amer. J. Psychiat.*, 1950, 106, 481-485.—On the basis of the cases included in this study, amnesia is considered to be a symptom of diverse neurologic and psychiatric conditions which may

occur in association with organic brain diseases, psychoses (particularly schizophrenia) and hysteria, and very frequently it is deliberately produced. The differential diagnosis in respect to the responsible etiologic factor is sometimes facile, sometimes difficult. The differentiating factors in hysterical and malingered amnesia are discussed.—R. D. Weitz.

6422. Wright, Helena. A contribution to the orgasm problem in women. *Int. J. Sexol.*, 1949, 3, 8-12.—Failure of women to experience orgasm seems to be because they are ignorant of what is expected in sexual sensation and have wrong ideas about how it should be achieved. Treatment involves an explanation of how the clitoris with friction will produce an orgasm. Once orgasm is attained through the clitoris it is easy to awaken sensation in the vagina.—C. R. Adams.

SPEECH DISORDERS

6423. Buckle, Donald. (U. Melbourne, Australia.) The treatment of sex offenders. *Int. J. Sexol.*, 1949, 3, 1-7.—In discussing treatment of sex offenders, 8 forms are considered: hanging, flogging, imprisonment, institutional care and mental hospitalization, probation, medical including castration, and psychotherapy. Some 13 legal types of sex offences are listed (with estimated frequencies) and then divided into categories of sexual deviation, assault, excessive sexual impulse, and prostitution. Both psychiatric diagnosis and prognosis and their limitation in respect to treatment are considered. The author concludes with proposals for reforms especially "in the establishment of proper scientific diagnostic procedure in all criminal cases."—C. R. Adams.

6424. Hawk, Sara Stinchfield. (Stanford U., Calif.) Speech therapy for the physically handicapped. Stanford Calif.: Stanford University Press, 1950, xiii, 245 p. \$4.00.—A "combined study and practical manual" emphasizing the "importance of the relationship between gestures and speech as well as that between orthopedic surgery and speech reeducation." The book is devoted largely to the speech problems of physically handicapped children, however, one section deals with the speech training of physically handicapped adults. An appendix deals with personality measurement and vocational guidance. 80-item bibliography.—J. Matthews.

6425. Nelson, Charles R. Post-laryngectomy speech; you can speak again. New York: Funk & Wagnalls, 1949. 95 p.—"The purpose of this publication is to serve the thousands of men and women who are forced each year to give up their natural voice because a disorder has forced them to undergo surgery for removal of the larynx, or voice box as it is sometimes called." The author attempts to orient the patient to the special problems which arise as a result of the removal of the larynx. A series of 12 lessons is presented for the use of the patient who wishes to learn esophageal speech.—J. Matthews.

6426. Weber, A. Zum elektiven Mutismus der Kinder. (Elective mutism in children.) *Z. Kinderpsychiat.*, 1950, 17, 1-15.—Four cases, all of low intelligence and showing the well-known characteristics of child-neurosis, are presented to show several origins of mutism. The author believes that elective mutism represents a regression to an earlier stage of linguistic development and social behavior and that it may, in its neurotic development, also assume that meaning which mutism can have in general. Two categories seem to cover all cases: simple reactive and neurotic, each of which can be total or selective, either hysteric-demonstrative or not.—G. Rubin-Rabson.

6427. Wharton, Eddythe. A survey of speech defects in schools of Asheville and Buncombe County, North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 143-144. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

CRIME & DELINQUENCY

6428. Blair, W. R. N. A comparative study of disciplinary offenders and non-offenders in the Canadian Army, 1948. *Canad. J. Psychol.*, 1950, 4, 49-62.—A sample of offenders in the Canadian army and matched and random control groups were compared on the MMPI, personality inventory, attitude scales and a biographical questionnaire. An item analysis yielded 151 highly discriminative items. The MMPI was found to differentiate offenders from non-offenders (CR 3 or more) on 7 scales. In general, it was possible to distinguish between the majority of offenders and non-offenders after offences had been committed. The results show some promise for early identification of offenders.—J. W. Bowles, Jr.

6429. Gray, Kenneth G. Psychiatric evidence in criminal cases. *Amer. J. Psychiat.*, 1950, 106, 497-500.—Of the published articles emanating from the Section on Legal Aspects of Psychiatry, reference is made to a few which describe legal developments in various states which have the common object of improving psychiatric evidence in the courts. A description of similar developments in the Province of Ontario is summarized.—D. E. Walton.

6430. Rogers, Will Chapel. Comparison of the anti-social psychopathic prisoner with the non-psychopathic prisoner. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 337. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

6431. Schmideberg, Melitta. On recidivism. *Amer. J. Psychother.*, 1950, 4, 286-292.—The fundamentally abnormal habitual criminal, and the first-offender with weak character and lesser intelligence who may eventually become an habitual criminal are often encouraged in crime by prison environment and current penal methods. To date, no really constructive procedure to actually help these people has been put to use. An habitual criminal's estimated cost to society is at least \$50,000, which

money could be put to more constructive use.—*C. B. Greene.*

6432. Wei, Yu, & Wong, Amos. (61 Wuyan Rd., Shanghai, China.) A study of 500 prostitutes in Shanghai. *Int. J. Sexol.*, 1949, 2, 234-238.—500 prostitutes 15-34 years of age examined at the Shanghai municipal venereal disease clinics were studied. 61% of the women were 20-24 years of age with 48% younger than 20 years and only 3% 30 years old or older. About 2% had started as prostitutes at age 10-14 years and 50% of the group began engaging prior to age 25. Over 82% of the women were illiterate and about two-thirds of the total group had never been married. The majority gave poverty as the major reason for their livelihood. The number of clients per day per prostitute ranged from none to 60 with 42% of the women reporting 10-30 clients.—*C. R. Adams.*

(See also abstract 6535)

PSYCHOSES

6433. Bryant, Oliver R. (Anoka State Hosp., Anoka, Minn.) Treatment of manic psychoses with antihistamine drugs. *Amer. Practit. & Dig. Treatm.*, 1950, 1, 132-133.—Results obtained with the use of antihistamine drugs (thenylene hydrochloride in tablets of 50 to 100 mg.) in the agitated phase of a manic-depressive psychosis are reported and 6 cases presented. It is concluded that tentatively the maximum initial dose of thenylene should be 5 mg. per kilo, with 1 mg. per kilo every 6 hours around the clock. All treated patients remarked upon the clarity of their thinking process. The author maintains that all the manics responded favorably. This treatment is, however, not a cure for any type of manic psychosis.—*F. C. Sumner.*

6434. Cameron, Paul B. Acute psychosis due to atabrine. *Amer. Practit. & Dig. Treatm.*, 1950, 1, 122-123.—Atabrine, was taken to the amount of 12 grams by a patient who did not have malaria. The resulting acute psychosis which cleared in less than 48 hours is described. The possibility of emotional stresses—the war years, the illness and temporary incapacity of his parents—may have caused a breakdown of the patient's homeostatic mechanisms, with acute mania having been induced by the drug acting as a trigger mechanism.—*F. C. Sumner.*

6435. Dearborn, Ellen Macdonald. (414 Arlington Drive, Birmingham, Mich.) Time out for death. *Psychiat. Quart.*, 1950, 24, 89-123.—With the idea of making a contribution to the understanding of acute schizophrenia the author, a patient of Dr. Clark Moloney's, describes her own experiences as a patient during recent illness with recovery in 1946, as well as an illness nineteen years earlier. Symptoms noted and actual sensations from the patient's point of view are discussed. Strong interest in religion, reactions to the psychiatrist, dreams, unconscious wishes, delusions, family, and symbolisms are discussed.—*M. P. Klinger.*

6436. Friedlander, J. H., & Dagradi, A. E. (Northport (N. Y.) V. A. Hosp.) A schizophreniform psychosis with pernicious anemia—a case report. *Psychiat. Quart.*, 1949, 23, 444-456.—A discussion of a review of the literature as to etiology of schizophrenia and the relation of schizophrenia and pernicious anemia are included. The case reported illustrates the syndrome of dementia praecox which the writers believe to be due to pernicious anemia. Patient, before transfer to the Veterans Hospital, had been treated with psychotherapy and 24 electric shock treatments. When found to have pernicious anemia specific therapy resulted in dramatic improvement and discharge. 20 references.—*M. P. Klinger.*

6437. Friedlander, J. H., (V.A. Hosp., Northport, N. Y.), Perrault, R., Turner, W. J., & Gottfried, S. P. Adrenocortical response to physiologic stress in schizophrenia. *Psychosom. Med.*, 1950, 12, 86-88.—From a study of adrenocortical secretion of a group of schizophrenic patients ascertained at time of admission and at varying periods during hospitalization, comparisons were obtained with the patients' clinical conditions. Pituitary adrenocortical response to physiological stress (epinephrine and insulin) was studied. It was concluded that a relationship exists between responsivity of the adrenal cortex and the schizophrenic reaction but the significance of the relationship is not clear.—*J. W. Bowles, Jr.*

6438. Geller, Joseph J. (Mental Health Center, City Hall Annex, Paterson 1, N. J.) A program of group psychotherapy in the treatment of chronic mental illness.—*Psychiat. Quart.*, 1949, 23, 425-438.—Group psychotherapy is being used in treatment at Central Islip (N. Y.) State Hospital as well as group method of orientation of all patients leaving the hospital. While group psychotherapy is not a substitute for individual psychotherapy in chronic mental illness, it is being found to be an addition to the treatment. Treatment is accelerated and less individual psychotherapy is needed. 17 references.—*M. P. Klinger.*

6439. Gerard, Donald L., & Siegel, Joseph. (Worcester State Hosp., Mass.) The family background of schizophrenia. *Psychiat. Quart.*, 1950, 24, 47-73.—Results of a study of the family background of 71 male schizophrenics indicate there is a particular background to which the male schizophrenic has been exposed. Results support the hypothesis that the diseases of the personality are outgrowths from the pattern of family relationship and attitudes to which he has been exposed. Marked distortions of personality, weakened ego, and the potentiality for extreme anxiety may be developed from the family background. 12 references.—*M. P. Klinger.*

6440. Glass, Sarah E. (State Hosp., Raleigh, N. C.) Effects of lobotomy as observed in a North Carolina State Hospital. *N. C. med. J.*, 1950, 11, 67-71.—Of 14 patients admitted prior to brain surgery (9 schizophrenics, 4 manic-depressives, 1 drug addict) 8 are now at home on much improved status;

one has been discharged; 6 still require hospitalization. Of 6 patients, mainly schizophrenics, admitted after brain surgery, two are improved; two are unimproved; one escaped; one is worse. Both series of cases justify an extension of the lobotomy program with more critical selection of cases, keener appraisal of other therapeutic tools and more serious research directed toward a better understanding of the patient and his therapeutic needs.—F. C. Sumner.

6441. Hoagland, Hudson. (Worcester State Hosp., Mass.) Stress and the adrenal cortex with special reference to potassium metabolism. *Psychosom. Med.*, 1950, 12, 142-148.—Adrenal cortex stress responses have been studied in approximately 200 cases of normal Ss using as stress situations such activities as prolonged operation of a pursuit meter, test flights, frustration tests as well as other situations. Stresses enhanced adrenal activity, especially in the pursuit meter situation. Many of the same tests have been employed with 100 chronic male schizophrenics. In general, patients displayed abnormal and inadequate responses of the adrenal cortex as compared with the controls. The hypothesis is considered that "... repeated failure of normal movement of tissue potassium accompanying a wide variety of stresses may play a cumulative role in the development of schizophrenic behavior. . . ."—J. W. Bowles, Jr.

6442. Hoagland, Hudson; Callaway, Enoch; Elmadjian, Fred, & Pincus, Gregory. (Tufts Sch. Med., Medford, Mass.) Adrenal cortical responsiveness of psychotic patients in relation to electroshock treatments. *Psychosom. Med.*, 1950, 12, 73-77.—"Comparisons of adrenal activation in response to 25 mg. of injected ACTH and to subconvulsive electroshock have been made in 9 schizophrenic patients using eight indices of adrenal function. A significant positive correlation is described between adrenal cortex responsiveness to pretreatment injections of ACTH and prognosis in subsequent electroshock therapy."—J. W. Bowles, Jr.

6443. Kwalwasser, Simon. (Rockland State Hosp., Orangeburg, N. Y.) A case of marked S-curve scoliosis and marked lordosis treated by electric shock therapy and curare. *Psychiat. Quart.*, 1950, 24, 17-20.—A case study of several kyphoscoliosis and lordosis in a 48 year old white woman with involutional psychosis and melancholia of eight months duration was treated successfully with electric shock therapy in combination with curare. While treatment had not been given earlier because of the severe deformity of the spine, this case shows that such deformities do not preclude electric shock therapy.—M. P. Klinger.

6444. Meduna, L. J. (Illinois Neuropsychiatric Institute, Chicago, Ill.) Oneirophrenia; the confused state. Urbana: University of Illinois Press, 1950. xi, 100 p. \$2.50.—In differentiating classical from symptomatic or exogenous schizophrenia the author first recounts the literature and then sets forth in monograph style the results of his biochemical studies which necessitated the delineation of a new

nosological complex where the prognosis is "usually good" as contrasted with endogenous schizophrenic states, 6 chapters, comprising the volume, sequentially consider the following: The concept's evolution, definition of the disorder, its clinical symptoms, its biochemistry, an hypothesis concerning these changes, differential diagnostic and prognostic signs. 31 references.—L. A. Pennington.

6445. Menzer, Doris; Standish, Christopher T., & Mann, James. (Boston State Hospital, Boston, Mass.) Some observations on individual psychotherapy with psychotics. *Psychiat. Quart.*, 1950, 24, 144-152.—A program designed to meet the problem of psychotherapy with psychotic patients at Boston State Hospital is described. Two main problems are discussed; (1) The distress created in the therapist in treatment, and (2) the nature of the defenses of the psychotic patient. Chief among general problems which arise in therapy, the criticisms of the therapist by the patient and the sensitivity of the patient, are discussed. Defensive maneuvers by the therapist are a block to therapeutic progress by the closing off of important areas from further discussion. 20 references.—M. P. Klinger.

6446. Milici, Pompeo. (Kings Park State Hosp., N. Y.) Affectivity, inhibition, introversion—catatonic stupor. *Psychiat. Quart.*, 1949, 23, 486-489.—Following a discussion, the author concludes that constitutional predisposition, overwhelming stress, inhibition-introversion of thinking, feeling and behavior, and the death theme, make up the formula of the stupor reaction.—M. P. Klinger.

6447. Pelzman, Oscar, & Wittson, Cecil L. (Central Islip State Hosp., N. Y.) Ambulatory insulin treatment for chronic schizophrenics. *Psychiat. Quart.*, 1950, 24, 153-159.—Ambulatory insulin treatment used in cases hospitalized less than two years has been found to further the improvement of schizophrenia. This with attention received during treatment influenced the patient's attitude and made psychotherapy, individual and group psychotherapy, and recovery more possible.—M. P. Klinger.

6448. Ross, W. D., Hay, J., & McDowall, M. F. (Verdun Protestant Hosp., Montreal, Can.) The association of certain vegetative disturbances with various psychoses. *Psychosom. Med.*, 1950, 12, 170-178.—The occurrence of various vegetative disorders in relation to psychiatric diagnosis was investigated in a Canadian mental hospital. No significant relationship was found between a psychiatric category and bronchial asthma, diabetes, arthritis and hyperthyroidism. A statistically significant relationship was found between peptic ulcer and manic depressive psychosis, manic type. Blood pressure also showed some variation between psychiatric groups.—J. W. Bowles, Jr.

6449. Ross, W. D., Hay, J., & McDowall, M. F. (Verdun Protestant Hosp., Montreal, Can.) The incidence of certain vegetative disturbances in relation to psychosis. *Psychosom. Med.*, 1950, 12, 179-183.—Peptic ulcers appeared less common than

among nonpsychotics. Bronchial asthma is slightly, not significantly, less frequent among psychotics. Diabetes mellitus appears about as often in psychotic samples as in nonpsychotic. This is also true of elevated blood pressure. Rheumatoid arthritis is rare among psychotics. The significance of these findings is discussed.—J. W. Bowles, Jr.

6450. Taylor, Gerald J. (1074 Iranistan Ave., Bridgeport 4, Conn.) A consideration of the acute schizophrenic episode. *Psychiat. Quart.*, 1949, 23, 530-538.—Three cases illustrate the thesis there are in "normal" society, socially, non-malignant cases of schizophrenia that may because of traumatic emotional experiences or toxic agents as alcohol suddenly exhibit paranoid type of schizophrenia. With psychiatric hospital treatment these patients display rapid improvement. 15 references.—M. P. Klinger.

6451. Thomas, Gordon C. G., & Wilson, David C. (U. Virginia Hosp., Charlottesville.) The recognition of pre-schizophrenic states. *Virginia med. Mon.*, 1949, 76, 405-410.—From the records of 220 schizophrenics 70 were selected which described the premorbid traits of the patient with sufficient clarity to draw conclusions. Among conspicuous pre-schizophrenic traits and situations were: (1) lack of normal identification with parents (57% of cases); (2) definite rejection by parents (31%); (3) abnormal fears appearing early (26%); (4) inferiority feelings or compensatory superiority (23%); (5) a history of social maladjustment (60%); (6) difficulty in heterosexual adjustment (76% of cases); (7) seclusiveness (43%); (8) masturbation guilt (23%); (9) religious preoccupations (17%); (10) irritability (30%); (11) physical complaints (33%); (12) day dreaming (14%).—F. C. Sumner.

6452. Wijzenbeek, Henricus. The nature of hallucination after lobotomy as retrograde diagnostic in psychiatry. *Acta med. orient., Jerusalem*, 1950, 9, 10-16.—10 schizophrenic patients were studied as to their hallucinations, mostly auditory, before and after lobotomy with the conclusion that the operation did not remove the auditory hallucinations and that the continuation of auditory hallucinations after lobotomy points in the direction of schizophrenia.—F. C. Sumner.

(See also abstracts 6362, 6421)

PSYCHONEUROSES

6453. Guez, Germaine. La névrose d'abandon. (Abandonment neurosis.) Paris: Presses Universitaires de France, 1950. 141 p. 300 fr.—A type of neurosis, differing from Freud's classic definition, appears in patients whose psychic life, dominated by the problem of affective security and the fear of abandonment, is arrested at an early level where all instinctive and affective strength seems drained in one direction: to secure love and maintain security. An affective evolution linked to normal sexual development fails to occur; there is no oedipus complex, or, if so, only sporadic and feeble. Such

cases find relief in analysis on the ego level and the developing oedipus impulse is a beneficent sign. Unlike other types, in this neurosis the constitutional factor plays an essential role. Because of this and the pre-oedipus fixation levels, classical analytic techniques must be modified in order to be effective.—G. Rubin-Rabson.

6454. Schachter, M. Une obsession névrotique des chiffres chez un employé de banque; étude clinico-psychologique. (A neurotic obsession of figures in a bank employee; a clinico-psychological study.) *Arch. int. Neurol.*, 1950, 69, 28-34.—A clinico-psychological study by means of the Rorschach is made of an obsession-neurosis in a bank clerk. The neurosis had assumed the aspect of a veritable obsession of figures (symbol of money). The Rorschach showed the existence (symbolic) of a very strong anxiety and inhibition with an element of more or less imminent catastrophe. Interview has exerted a favorable psychotherapeutic influence.—F. C. Sumner.

6455. Walter, Emil J. (Zurich U., Germany.) Psychological danger spots. *Int. J. Sexol.*, 1950, 3, 172-175.—Controlling the development of a neurosis are the three factors of hereditary constitution, particular environment, and precipitating traumatic shock. When all three are present, neurosis results. In a detailed case history, a pedophilic male is described as a spot likely to spread the infection of neurosis. Such a pathological personality, preventing in others the "development of the normal super-ego and the overcoming of the Oedipus complex, . . . must be regarded as a most devastating psychological danger spot who has spoiled the lives of many small children."—C. R. Adams.

6456. Williams, E. Y., & Carmichael, Claude P. (Howard U., Med. Sch., Washington, D. C.) Certain clinical observations in the anxiety syndrome. *J. nat. med. Ass.*, 1950, 42, 32-35.—In 100 cases of anxiety psychoneurosis the incidence was greater among females than among males; the largest single reason for the anxiety syndrome was lack of proper sex education; fear of death was the most terrifying symptom resulting in invalidism and loss of self confidence; headache or pressure on the head and cardiac symptoms were the most common symptoms accepted as being organic. It is held that anxiety psychoneurosis is a psycho-physiologic disorder which needs not only psychotherapy but some form of organotherapy in cases of severe physiologic stress.—F. C. Sumner.

(See also abstract 6362)

PSYCHOSOMATICS

6457. Bick, John W. Treatment of psychosomatic disorders in the male patient. *Med. surg. J.*, 1950, 102, 441-444.—Emotional factors such as anxieties, hostilities, conflicts, fears, feelings of guilt, etc., must be inquired into by the physician when diagnosing the male patient who complains of

headaches, gastrointestinal disorder, sexual failure.—*F. C. Sumner.*

6458. Brown, Malcolm; Bresnahan, T. J., Chalke, F. C. R., Peters, Barbara; Poser, E. G., & Tougas, R. V. (Queen's U., Kingston, Ont., Can.) **Personality factors in duodenal ulcer; a Rorschach study.** *Psychosom. Med.*, 1950, 12, 1-5.—The Rorschach was administered to 25 patients with duodenal ulcer and to 25 patients with non-gastrointestinal diseases. Results were interpreted to indicate a conflict on the part of the ulcer patients between an overly active disposition on the one hand and passive needs on the other. It is tentatively suggested that ulcer patients tend to be impulsive and emotionally immature in social relationships.—*J. W. Bowles, Jr.*

6459. Clarke, T. Wood. (7 Cottage Place, Utica, N. Y.) **The relation of allergy to character problems in children: a survey.** *Psychiat. Quart.*, 1950, 24, 21-38.—After citing several cases, 171 replies to letters to allergists are discussed. 95 reported they had noticed personality changes due to allergy which corrected themselves when the allergic element was eliminated. This change is supported by brief histories of 122 cases, 24 discussed in detail, sent by the 95 allergists. Since allergy is selective, the possibility of physical allergy of the brain is discussed as causing emotional changes resulting in a "problem child." 13 references.—*M. P. Klinger.*

6460. Coleman, Jules V., Hurst, Allan, & Whedbee, James S. **Tuberculosis and dependency; psychosomatic conference of the Mental Hygiene Division of the University of Colorado Medical School, and the National Jewish Hospital, Denver.** *Psychosom. Med.*, 1950, 12, 189-198.—This is a report of a case study by the psychosomatic conference of the Mental Hygiene Division of the University of Colorado Medical School and the National Jewish Hospital.—*J. W. Bowles, Jr.*

6461. Cooke, Willard R. **Psychosomatics in gynecic practice.** *Sth. med. J., Bgham*, 1949, 42, 903-908.—The role of psychologic factors in the production or exacerbation of "female trouble," dysmenorrhea, menstruation irregularities, frigidity and dyspareunia, pseudocyesis, hyperemesis, motor dystocia, the climacteric, and the psychotherapeutic approach are discussed.—*F. C. Sumner.*

6462. Duncan, C. H., Stevenson, I. P., & Ripley, H. S. **Life situations, emotions, and paroxysmal auricular arrhythmias.** *Psychosom. Med.*, 1950, 12, 23-37.—A group of 26 patients with paroxysmal auricular and nodal tachycardia and auricular fibrillation possessed certain common personality characteristics. The life situation and emotional state of the patient was found to be a significant factor in the occurrence of attacks. These occurred during periods of tension. Various precipitating events were found but the life situation greatly influenced susceptibility to these stimuli. 24 references.—*J. W. Bowles, Jr.*

6463. Fowler, Edmund P., Jr. (Columbia U. Coll. Physicians & Surgeons, New York.) **Neuro-**

genic factors in nasal catarrh. *Psychosom. Med.*, 1950, 12, 108-112.—Studies employing sympathetic stimulation and ablation indicate that there are two basic kinds of nasal catarrh (common cold), the sympathetic type and parasympathetic type. Since marked changes can be observed in the nose with stimulation or ablation of the sympathetic nerve supply, it is suggested that many "colds" are induced by psychic stimuli to the autonomic nervous system. Cases are cited which tend to support the view that psychosomatic factors play a part.—*J. W. Bowles, Jr.*

6464. Holmes, Thomas H.; Goodell, Helen; Wolf, Stewart; & Wolff, Harold G. (Cornell U. Med. Coll., New York.) **The nose: an experimental study of reactions within the nose in human subjects during varying life experiences.** Springfield, Ill.: Charles C. Thomas, 1950. xvi, 154 p. \$4.50.—The range of nasal functions in normal subjects is explored and the monograph interprets the results of numerous studies of "disturbances in nasal and respiratory physiology occurring in response to a variety of situational threats." The interpretation is psychosomatic and the authors attempt to tie together psychiatric nasal symptomatology and the mechanisms of nasal physiology.—*J. C. Franklin.*

6465. Ivy, A. C. **The evidence pertaining to the psychosomatic aspects of peptic ulcer.** *J. nerv. ment. Dis.*, 1950, 111, 519-524.—Abstract and discussion.

6466. Joseph, Edward D., Peck, Samuel M., & Kaufman, M. Ralph. (Mount Sinai Hosp., New York.) **A psychological study of neurodermatitis with a case report.** *Mt. Sinai Hosp. J., N. Y.*, 1949, 15, 360-366.—A case report is furnished of a woman, 38 years of age, suffering for 25 years from pruritus, "eczema" and scaling of skin which started about 3 months after her youngest child, a boy, developed poliomyelitis with complete paralysis, causing the patient to have "almost a nervous breakdown." Guilt over her child's illness apparently precipitated the skin disorder. Organ choice was apparently connected with her long pride in the beauty of her skin and with her ready blushing.—*F. C. Sumner.*

6467. Lhamon, William T., & Saul, Leon J. (U. Pennsylvania, Philadelphia.) **A note on psychosomatic correlations.** *Psychosom. Med.*, 1950, 12, 113-115.—Some of the problems of correlating personality type with psychosomatic symptoms are discussed. Attention is directed particularly to regression. The need for studying individual impulses in detail to isolate those forces which actually affect the physiologic functioning of an organ is stressed.—*J. W. Bowles, Jr.*

6468. Lidz, Theodore, & Whitehorn, John C. (Johns Hopkins U. Sch. Med., Baltimore, Md.) **Life situations, emotions, and Graves' disease.** *Psychosom. Med.*, 1950, 12, 184-186.—It is suggested that severe emotional stresses precede the onset of hyperthyroidism in over 90% of the cases. Studies of these patients suggest that these patients are reacting to disruption or threat of disruption of the dominant

interpersonal relationship upon which their security rests. The personality evaluation of hyperthyroid patients is further elaborated.—J. W. Bowles, Jr.

6469. Lowy, Samuel. (St. Bartholomew's Hosp., London, Eng.) Psychosomatic pathology and therapy. *Amer. J. Psychother.*, 1950, 4, 224-258.—In some instances of emotional disorder it is often difficult to distinguish between the physiological or functional etiology. In terms of therapy, it is often found that medical treatment will help the disturbance, even though of a functional nature; however, psychiatric treatment has often failed due to an oversight in detection of organic factors. Examples are cited and interaction of the soma and psyche are discussed in relation to causology of emotional disturbance. 43-item bibliography.—C. B. Greene.

6470. Mahl, George F. (Yale U., New Haven, Conn.) Anxiety, HCl secretion, and peptic ulcer etiology. *Psychosom. Med.*, 1950, 12, 158-169.—It is suggested that the viewpoint that frustration of intense oral-receptive or oral-aggressive drives and the regression of these drives to unconscious desires to eat or be fed is the unique process in peptic ulcer cannot be evaluated solely on the basis of psychoanalytic studies. There is evidence, although somewhat contradictory, that HCl secretion increases in overt anxiety, but no data are available on this in unconscious wishes to eat. But there is considerable evidence that HCl secretion increase is essential in peptic ulcer etiology. Possible fruitful lines of research are suggested.—J. W. Bowles, Jr.

6471. Manus, Gerald I. (City College of New York.) The behavioral correlates of essential hypertension: a critical review of the literature. *J. intercollegiate Psychol. Ass.*, 1949, 1, 36-50.—The author briefly reviews the various theories of the physiological causation of high blood pressure and summarizes the chief psychosomatic characteristics found in essential hypertension. He feels that "until discriminative criteria distinguishing between different types of psychosomatic involvements are formulated and validated, psychosomatic research will continue to be limited to demonstrations of the hindsight variety." 20 references.—H. Feifel.

6472. Meerloo, A. M. (162 W. 54th St., New York.) Shock—a psychosomatic phenomenon. *J. nerv. ment. Dis.*, 1950, 111, 490-498.—"All that, which in medicine is termed shock—mental, surgical, spinal and shell shock—comprise the following conception: in shock we experience an unadapted, defensive reaction of the organism to a sudden mental or physical injury. Shock is a disintegration and disruption of appropriate functions by way of transition to a renewed and more effective defense."—N. H. Pronko.

6473. Paul, Louis. (U. S. Marine Hosp., Ellis Island, N. Y.) Psychosomatic aspects of low back pain. *Psychosom. Med.*, 1950, 12, 116-124.—A review of recent articles, plus the author's experience

with military cases, is presented. 70-item bibliography.—J. W. Bowles, Jr.

(See also abstracts 6374, 6448, 6449)

CLINICAL NEUROLOGY

6474. Andersen, A. Lloyd. (VA Hosp., Minneapolis, Minn.) The effect of laterality localization of brain damage on Wechsler-Bellevue indices of deterioration. *J. clin. Psychol.*, 1950, 6, 191-194.—The Wechsler-Bellevue was given to 55 male veterans with focal brain damage. This group was divided into 2 sub-groups on the basis of whether the damage occurred in the patient's dominant or non-dominant hemisphere. The Wechsler DQ and Reynell's RI were applied to the two groups. Neither index identified the brain injured well; the DQ was somewhat more sensitive to the laterality of the damage than the RI. It is suggested that the effects of damage may vary with the area damaged so that specific area indices may prove more useful than overall deterioration measures.—L. B. Heathers.

6475. Andersen, A. Lloyd, & Hanvik, Leo J. (VA Hosp., Minneapolis, Minn.) The psychometric localization of brain lesions; the differential effect of frontal and parietal lesions on MMPI profiles. *J. clin. Psychol.*, 1950, 6, 177-180.—"The results of a study of MMPI profiles of patients suffering focal brain damage are presented. Characteristic T score and pattern differences are shown between patients with frontal lobe lesions and those with parietal involvement. The former group is shown to have both psychometric and clinical indications characteristic of the hysteroid type of reaction pattern; the latter group most closely resembles patients suffering with anxiety neurosis."—L. B. Heathers.

6476. Francey, Ruth. (U. Toronto, Can.) A study on the "epileptic personality." *Canad. J. Psychol.*, 1950, 4, 81-87.—Twenty epileptics were compared with the same number of normals and paraplegics matched for age, IQ, sex and military service on the MMPI and an item analysis conducted to determine whether or not an "epileptic pattern" appeared. Thirty-one items differentiated epileptics from both normals and paraplegics (chi-squares of 3.8 or more were used in the final item selection), but only those with a chi-square of 6.2 plus remained in the final analysis. Results seem to suggest a tendency toward withdrawal and inferiority feelings.—J. W. Bowles, Jr.

6477. Freeman, Walter. Psychosurgery. *Amer. J. Psychiat.*, 1950, 106, 534-535.—Review of psychiatric progress 1949; 22-item bibliography.

6478. Grassi, Joseph R. (Bowman Gray Sch. Med., Winston-Salem, N. C.) Abstract behavior following prefrontal lobotomy. *Psychiat. Quart.*, 1950, 24, 74-88.—Thirty-two prefrontal lobotomy patients were given a battery of psychological tests to investigate changes in intellectual functioning resulting from lobotomy. The Wechsler-Bellevue reveals no significant reduction in general intelligence. Increase in IQ appeared in 28 cases. The

graphic Rorschach indicated a change corresponding in general with changes in the clinical picture. Impairment revealed on the Grassi Block Substitution Test disappeared almost entirely during the first year. Results support bilateral frontal lobotomy as a therapeutic procedure.—*M. P. Klinger.*

6479. Gutman, Brigitte. (*Neurological Inst., New York.*) The application of the Wechsler-Bellevue scale in the diagnosis of organic brain disorders. *J. clin. Psychol.*, 1950, 6, 195-198.—The Wechsler was given to 30 patients with various kinds of brain damage and 30 normal cases. Wechsler's, Reynell's and Hewson's methods of measuring organic involvement were applied to these cases. All of the techniques showed a good deal of overlap between the two groups. Though none of the techniques are probably valid in doubtful cases, Hewson's technique is probably the most useful.—*L. B. Heathers.*

6480. Hicks, Samuel Pendleton, & Warren, Shields. (*Harvard Med. Sch., Boston, Mass.*) *Introduction to neuropathology.* New York: McGraw-Hill, 1950. xiii, 494 p. \$10.00.—This new text on neuropathology stresses the pathophysiology of disease processes generally and then proceeds to detail the particular features of diseases related to the nervous system. The first chapter deals with the reaction patterns of nervous tissue to disease and trauma, including the effects of radiation. Chapter 2 describes normal and abnormal cerebral circulation and the effects of vascular interference. Subsequent chapters discuss cerebrospinal fluid dynamics, inflammatory diseases, metabolic, toxic and degenerative diseases, mechanical injury and tumors. A final chapter deals with anomalies, mental disease and epilepsy.—*C. E. Henry.*

6481. Hunter, R. C. A. *Electroencephalography and its clinical application.* *McGill med. J.*, 1949, 18, 199-208.—The basic principles underlying electroencephalography are briefly described. The instrument is evaluated as an aid in neurology, neurosurgery, and psychiatry, and its limitations are pointed out when so applied. 18 references.—*F. C. Summer.*

6482. Kabat, Herman. (*Kabat-Kaiser Institute, Vallejo, Calif.*) *Central mechanisms for recovery of neuromuscular functions.* *Science*, 1950, 112, 23-24.—After central nervous system lesions, considerable functional recovery may occur despite essential motor pathway destruction. Study of several thousand patients, with various types of paralysis, undergoing neuromuscular reeducation via new training techniques, shows that substitute pathways for voluntary action can be developed rapidly and effectively by these means. The techniques of stimulation-education are described, and their neuro-motor implications brought out.—*B. R. Fisher.*

6483. Raskin, Naomi. (*Boston State Hosp., Mass.*) A case of multiple meningioma; the last chapter of an eventful life history. *J. nerv. ment. Dis.*, 1950, 111, 510-518.—This is a case-history of a

patient who lived 24 years after onset of symptoms and over 9 years after the last operation. Continuous growth of multiple meningiomas resulted in severe neurological and mental breakdown. Comparison is made with certain similar cases of Cushing's.—*N. H. Pronko.*

6484. Rogers, Lawrence S. (*VA Mental Hygiene Unit, Denver, Colo.*) A comparative evaluation of the Wechsler-Bellevue Mental Deterioration Index for various adult groups. *J. clin. Psychol.*, 1950, 6, 199-202.—150 S's were added to the 199 subjects used by Allen, Blake and McCarthy, Rapaport, and Kogan in their studies of the Wechsler MDI. 100 of these additional S's were P.L. 16 veterans seen at a VA guidance center; half were N.P. cases. 50 additional cases were from a VA mental hygiene clinic. The MDI differentiated the normals from the brain damaged and, though less well, from the groups with functional disorders. Using a critical score of 10, normals were differentiated from the brain damaged but the prediction of functional disorders was no better than chance. Hence the MDI is sensitive to changes but these changes may be related to organic, psychotic, or neurotic processes.—*L. B. Heathers.*

6485. Rogers, Lawrence S. (*VA Mental Hygiene Unit, Denver, Colo.*) A note on Allen's index of deterioration. *J. clin. Psychol.*, 1950, 6, 203.—Using the 349 subjects used in a previous study, the author compared the Wechsler MDI and Allen's index. He concluded Allen's index was less discriminative than Wechsler's.—*L. B. Heathers.*

6486. Seidenfeld, Morton A. *Let's help your child adjust.* *Cerebral Palsy Rev.*, 1950, 11(5), 4-5; 14.—"There are, then, at least three things you can do to help your child to recognize that you are adjusted to his physical deviations. You can avoid blaming yourself or him for his disability; you can avoid looking upon him as an 'imperfect' individual because his appearance or behavior doesn't conform to a standard which, at best, is far from perfection; and you can learn to appreciate his abilities and capacities more while forgetting or at least minimizing his limitations." Then you are ready for the next steps: (1) Learn all about your child's physical problems and how to help him overcome it. (2) Provide him with the opportunity to learn how to attain his goals with the capacities for accomplishment which he possesses. (3) Provide him with emotional security by TLC (tender, loving care), but without babying, spoiling or indulging him.—(Courtesy of *Bull. Curr. Lit. Nat. Soc. Crippled Child.*)

6487. Watson, C. Wesley. *Epilepsy.* *Amer. J. Psychiat.*, 1950, 106, 526-528.—Review of psychiatric progress 1949; 16-item bibliography.

(See also abstract 6421)

PHYSICALLY HANDICAPPED

6488. Knapp, Peter Hobart, & Gold, Bernard H. (*Boston U., Mass.*) The galvanic skin response and diagnosis of hearing disorders. *Psychosom. Med.*,

1950, 12, 6-22.—The GSR was employed in the diagnosis of hearing disorders at an Army Hearing Rehabilitation Center. Palmar skin resistance was measured while speech was introduced through a voice attenuator. In 88% a clear reflex response was obtained when sound reached critical intensities and there was an indication of a reflex in 7% of the 121 cases. In comparison with controls, an increasing gap between skin response and awareness of speech suggests psychogenic deafness. Difficulties in the use of the technique are discussed.—*J. W. Bowles, Jr.*

6489. Scott, Emma. Making a good life for Arkansas' blind children. *J. Ark. Educ.*, 1950, 23(7), 20-21; 42-43.—Reports aims and procedures at Arkansas School for the Blind. "The usually accepted definition of blindness is 20/200 vision. . . . Facial vision (the ability to detect objects in front of one by the feeling of air pressure on the cheeks) is developed by the use of a device having movable flaps which serve as obstacles."—*H. K. Moore.*

6490. Sessoms, David James, Jr. Veterans' vocational rehabilitation: a comparison of methods used after World War I and World War II. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 309-310. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6491. Stafford, Bart Lanier, III. (New School for Social Research, New York.) The marginal position of the physically handicapped in a competitive society. *J. intercollegiate Psychol. Ass.*, 1949, 1, 6-16.—The author discusses a research project in which he proposes to investigate the following aspects of the physically handicapped: (1) the literary stereotype with respect to the physically handicapped in our society; (2) the similarities and differences of social status between the physically handicapped and other types of minority groups; (3) the educational situation of the physically handicapped child; and (4) the state laws relating to discrimination in employment-practices and their relevance to the physically handicapped.—*H. Feifel.*

6492. Wallace, John M. The educated deaf ask no favors. *J. Ark. Educ.*, 1950, 23(7), 22-23.—Describes methods and procedures at the State School for the Deaf, Arkansas. "All pupils are taught orally (speech and lip reading) throughout their school lives, if they progress by this method."—*H. K. Moore.*

6493. Wilson, Arthur Jess. (Grasslands Hosp., Westchester County, New York.) The emotional life of the ill and injured; the psychology and mental hygiene of rehabilitation and guidance. New York: Social Science Publishers, 1950. 416 p. \$4.75.—A clinically oriented text on the problems of the psychology and mental hygiene of the disabled with particular reference to their significance in rehabilitation and guidance. Considerable case history material is included and helps illustrate the sections on psychological problems, personality changes, the rehabilitation process, etc. The book is divided into

3 parts: Solving personality problems; Combating emotional reactions to injury and disease; Applying war experience to emotional problems of civilian rehabilitation.—*M. A. Seidenfeld.*

(See also abstract 6424)

EDUCATIONAL PSYCHOLOGY

6494. Delp, Harold A. (U. Minnesota, Minneapolis.) Mental-health problems in the elementary school. *Elem. Sch. J.*, 1950, 50, 436-444.—Of the child's three basic needs that for psychological security and a sense of personal worth is most significant for mental-health problems, and is directly affected by school experiences. Inadequate utilization is made of the mental-health resources available to most schools, these resources including adequately trained teachers, and competent administrators.—*G. H. Johnson.*

6495. Evans, Hubert M. [Ed.] (Horace Mann-Lincoln Institute of School Experimentation, New York.) The problem-centered group and personal-social problems of young people. *Teach. Coll. Rec.*, 1950, 51, 438-459.—In the progress report of the Battle Creek Institute cooperative project, the term problem-centered group activities designates an educational process by which teachers and students work cooperatively to solve problems related to the experiences, interests and concerns of young people. Such problems include orientation, human growth and development, boy-girl relations, inter-group and family relations. The difficulties involved are anticipated and worked out by students and teachers together. Attitudes are reconstructed and self-evaluation is encouraged.—*G. E. Bird.*

6496. Kalinin, M. N. O kommunisticheskome vospitani i obuchenii. (Concerning Communist training and education.) Moscow: Izdatel'stvo Akademii Pedagogicheskikh Nauk RSFSR, 1948. 236 p.—This compilation encompasses the problems of general cultural aims, of communist training, of educational standards, of the role of the educator, of the liquidation of illiteracy, and preparation of "cells" (youth groups). The prevailing theme is that education must be understood in its broadest sense, embodying not only specialized training but also cultural subjects of a wide variety. The ultimate aim of communist education is to train productive, socially oriented citizens, thoroughly imbued with the socialist ideal of community service. Marxism-Leninism, while constituting the core of every phase of education, is most meaningful when presented as a functional subject, rather than as a theoretical abstraction.—*M. G. Nemets.*

6497. Skinner, Charles E. [Ed.] (New York U.) Elementary educational psychology. (2nd ed.) New York: Prentice-Hall, 1950. xv, 590 p. \$3.75.—This is a second edition of a text (see 20: 919) designed primarily for teachers, introducing the basic facts and principles of educational psychology. Its seven authors: Paul L. Boynton, John W. Charles, Philip L. Harriman, Francis F. Powers, W. Carson

Ryan, Paul A. Witty and J. Wayne Wrightstone divide the discussion of these facts and principles into five parts. Introduction; Growth and Development, Mental Abilities and Individual Differences, The Learning Process and Evaluation of Learning Outcomes, Personality, Adjustment, and Guidance.—M. F. Fiedler.

SCHOOL LEARNING

6498. Briggs, Leslie John. The development and appraisal of special procedures for superior students and an analysis of the effects of "knowledge of results." In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 41-49.—Abstract of Ph.D. thesis.

6499. Carter, Martha R., & Fox, William H. Art in the elementary schools of Indiana. *Bull. Sch. Educ. Ind. Univ.*, 1950, 26(2), 83 p.—Data regarding instructional practices in art were obtained from questionnaire responses of 697 grade school teachers in a representative sample of Indiana public schools in cities, towns, and rural districts. Prevailing conditions in this field are demonstrated in an analysis of the data under 5 major sections: the principal activities of the art program; the allocation of time to art; teaching responsibilities and procedures in art education; background of the teachers; general attitudes toward art. Implications of the study for the classroom teacher, and the administrator, as well as regards the training program in art are pointed out. Brief bibliography.—R. C. Strassburger.

6500. Cassidy, Viola Marie. The effectiveness of self-teaching devices in facilitating learning. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 73-79.—Abstract of Ph.D. thesis.

6501. DeLong, Greta Hultin. Relative effectiveness of six methods of teaching college students how to study. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 107-112.—Abstract of Ph.D. thesis.

6502. Gillespie, Betty Weatherly. A fifth grade remedial reading program carried on by the classroom teacher. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 101-102. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6503. Hughes, Marie M. (U. Utah, Salt Lake City.) Training pupils for successful group living. *Elem. Sch. J.*, 1950, 50, 453-459.—Misconceptions of the meaning of co-operation prevalent in a group of 78 eighth graders prompted an investigation of usage of the word in school practice. To co-operate, as used by teachers, referred to following instructions, obeying the teacher, and conformity, rather than to the dynamic concept of co-operation with others. For adequate functioning within a group, free interaction among the members of the group, a concern with problems and activities which affect all members, utilization of many talents and abilities,

and analysis and evaluation of the process, are requisite. Such functioning requires continuous work and development to be successful.—G. H. Johnson.

6504. McCoy, Mildred O'Neal. An analysis of the mathematics that seventy-seven seniors in the Winston-Salem high schools have studied and the amount retained. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 119. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6505. Mallinson, George Greisen; (Western Michigan Coll. Educ., Kalamazoo.), Sturm, Harold E.; & Patton, Robert E. The reading difficulty of textbooks in elementary science. *Elem. Sch. J.*, 1950, 50, 460-463.—Science textbooks from each of Grades 4, 5 and 6 in five elementary science series were analyzed as to readability by use of the Flesch formula. The Grade 4 texts were far too difficult for the average reading ability of the fourth grade, the Grade 5 books were rather difficult and the Grade 6 books slightly difficult. None of the books sampled could be called easy reading material, which may account in the past for pupil difficulties in comprehension of the concepts and topics of science as presented in the books.—G. H. Johnson.

6506. Menius, Leonard Cary. Time utilization as related to academic success. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 339. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6507. Meredith, Lillian Dyer. The incidence and causes of retardation in the public schools. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 123. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6508. Mitchell, Mary Alice. The relationship of reading to the social acceptability of sixth grade children. *Teach. Coll. Contr. Educ.*, 1949, No. 953, xii, 59 p.—The significance of wide reading as a factor in the social acceptability of 873 sixth grade pupils in twenty New England suburban schools was studied by means of a "Guess Who" test, and by behavior rating forms checked by teachers and parents. Relationships between readership, social acceptability, reading ability, intelligence, and general school achievement were reported. Appraisals as made by teachers, parents, and children were not highly correlated. It was concluded that "extensive reading is a significant factor in children's social acceptability."—J. E. Horrocks.

6509. Payne, Fernandus. (Indiana U., Bloomington.) Teaching of science at the college level. *Science*, 1950, 111, 589-594.—Discussion of problems and criticisms about college science teaching, including: the general context of college education (institutional and individual educational purposes, programs and means); the rapid growth of contemporary science; and, in particular, the training of science teachers via graduate work leading to the

Ph.D., general education and specific training in teaching methods.—*B. R. Fisher.*

6510. Posey, Marian. A study of the development of reading readiness of twenty-five first grade children. In *University of North Carolina Record, Research in progress* . . . 1948. Chapel Hill, N. C., 1949, No. 464, 127-128. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6511. Potter, Muriel Catherine. Perception of symbol orientation and early reading success. *Teach. Coll. Contr. Educ.*, 1949, No. 939, viii, 69 p.—600 Bloomfield (N. J.) first graders were used to obtain "evidence of the occurrence among beginning readers of errors in visual perception which have been found characteristic of children who fail to progress at the expected rate in the acquisition of reading skills." The Lee-Clark Reading Readiness Test, some aspects of the Gates Primary Reading Tests, tests of perceptual discrimination, and the Otis Quick-Scoring Mental Ability Tests were used.—*J. E. Horrocks.*

6512. Rudolf, Kathleen Brady. The effect of reading instruction on achievement in eighth grade social studies. *Teach. Coll. Contr. Educ.*, 1949, No. 945, vi, 72 p.—A study to learn if "pupils who receive reading instruction in an 8th grade social studies class for a period of one school term show an appreciable difference in knowledge of social studies, reading ability, and study skills from the knowledge and skill acquired by a similar group of pupils who do not receive special instruction." Comparative analysis was based upon the administration of a common final exam, and upon the administration of 4 tests (Thorndike-Lorge Reading Test, Cooperative Social Studies and Contemporary Affairs Tests, and the Iowa Every-Pupil Tests of Basic Skills) at the beginning and at the end of the experiment. Results favorable to the inclusion of reading in a social studies curriculum were reported.—*J. E. Horrocks.*

6513. Rush, Edna Rebecca. An analysis of failures in the primary grades in the white schools, Winston-Salem, North Carolina. In *University of North Carolina Record, Research in progress* . . . 1948. Chapel Hill, N. C., 1949, No. 464, 130-131. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6514. Sheldon, William D., & Hatch, Shirley. (Syracuse U., N. Y.) Strengths and weaknesses in reading of a group of third-grade children. *Elem. Sch. J.*, 1950, 50, 445-452.—From 410 third-grade pupils, 21 good readers and 20 poor readers were selected through use of achievement tests in reading, teachers' rating of reading status, and intelligence tests. Differences significant at the 1% level existed between good and poor readers in intelligence quotients and in total comprehension and vocabulary scores on the Progressive Reading Test. The Durrell Analysis of Reading Difficulty was given to each child. Common difficulties of poor readers were word-by-word reading and low sight vocabulary, while both good and poor readers made errors on easier words, had poor recall after oral or silent

reading, guessed at unknown words from the general form of the word, and had difficulty with letter sounds in the phonetic inventory.—*G. H. Johnson.*

6515. Sprinkle, Clemmie B. A comparison of reading abilities of kindergarten and non-kindergarten trained children in the first grade. In *University of North Carolina Record, Research in progress* . . . 1948. Chapel Hill, N. C., 1949, No. 464, 136-137. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6516. Stradtman, Alan D., & Cureton, T. K. (U. Illinois, Urbana.) A physical fitness knowledge test for secondary school boys and girls. *Res. Quart. Amer. Ass. Hlth*, 1950, 21, 53-57.—The authors report on a test designed by them to determine the amount of knowledge of desirable practices in physical fitness possessed by students. This paper-and-pencil test consisted of 100 multiple-choice items requiring 40 minutes working time and was administered to junior and senior boys and girls of the Champaign and University High Schools in Champaign-Urbana, Illinois. A total of 333 S's took the test, 153 boys and 180 girls. The combined groups had a mean of 68.55 with a sigma of 15.30 and a reliability coefficient of 0.95. Sample questions are included.—*M. A. Seidenfeld.*

6517. Wells, Charles A. (American International Coll., Springfield, Mass.) The value of an oral reading test for diagnosis of the reading difficulties of college freshmen of low academic performance. *Psychol. Monogr.*, 1950, 64, iv, 35 p.—The author administered his college reading test to 80 students in the lowest academic quarter of a class of 312 freshmen. It appears that (1) it is doubtful if any values are to be found from extensive analyses of specific individual reading errors; (2) there is no evidence that oral phrasing is related to reading comprehension; (3) knowledge of formal structure of the English sentence is apparently not justifiably viewed as a fact in oral reading comprehensions; and (4) a reading test such as designed by the author does not appear to be either essential or indispensable to the exploration of the student's reading abilities.—*M. A. Seidenfeld.*

INTERESTS, ATTITUDES & HABITS

6518. Barnes, Frances Haskins. An analysis of the leisure time activities of sixty seventh-grade boys and girls in the J. E. B. Stuart School, Norfolk, Virginia. In *University of North Carolina Record, Research in progress* . . . 1948. Chapel Hill, N. C., 1949, No. 464, 90-91. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6519. Breck, Sabina June. (U. California, Los Angeles.) A sociometric measurement of status in physical education classes. *Res. Quart. Amer. Ass. Hlth*, 1950, 21, 75-82.—Using a sociometric test which was administered to 586 women at the University of California at Los Angeles, Breck found a low positive correlation between skill and friendship as factors affecting status.—*M. A. Seidenfeld.*

6520. Burnett, Collins Walter. A study of college campus leadership. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 59-64.—Abstract of Ph.D. thesis.

6521. Dixon, Robert Ensign. The effects of different types of student personnel groupings on the social adjustment of college students. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 121-126.—Abstract of Ph.D. thesis.

6522. Feil, Madeleine Hoffman. A study of leadership and scholastic achievement in their relation to prediction factors. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 151-155.—Abstract of Ph.D. thesis.

6523. Hire, Gertrude Elizabeth. A study of the individual needs of a group of junior high school students. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 107. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6524. Kearney, De Lon Cooper. Personal-social problems recognized by one hundred women students of the University of North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 111-112. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6525. Kennedy, Joe Wollett. A comparative study of selected attitudes between male veterans and non-veterans at the University of North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 308. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6526. Lewis, Katherine Louise. Solving personality adjustment problems through physical education. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 163. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6527. Lynn, Ross McCain. A study of smokers and non-smokers as related to achievement and various personal characteristics. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 164. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6528. Monroe, Marjorie Bates. The Kuder Preference Record as a measure of interest in certain areas of the liberal arts curriculum at the University of North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 309. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6529. Price, Mary Alice. A study of motivational and perceptual factors associated with leadership behavior of young women in a private school. In *Ohio State University, Abstracts of dissertations . . .*

1948-1949. Columbus, O., 1950, No. 58, 337-342.—Abstract of Ph.D. thesis.

6530. Scott, Margaret Jean. Some adjustment problems of undergraduate women at the University of North Carolina at Chapel Hill. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 132. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6531. Smyre, Nellie Lucile. An analysis of the leisure activities of sixty seventh-grade students of Salisbury, North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 135-136. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6532. Webb, Sam Clement. The measurement and prediction of college students' interest in natural science subjects. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 338. (Grad. Sch. Ser. No. 56.)—Abstract of Ph.D. thesis.

EDUCATIONAL GUIDANCE

6533. Arbuckle, Dugald S. (Boston U., Mass.) *Teacher counseling*. Cambridge, Mass.: Addison-Wesley Press, 1950. vi, 178 p. \$3.50.—Students in their struggle for independence, heterosexual adjustment, and vocational and educational choices need counseling by teachers. The author describes the non-directive point of view and points out its implications for teachers, particularly the permissive atmosphere, concern for the individual rather than the problem, and emphasis on feeling rather than content. This approach is contrasted with that of the traditional teacher. Part 2 describes, from verbatim reports of teacher counseling sessions with students, the "traditional" teacher and the "new" teacher in action, the latter using non-directive principles in counseling. Part 3, the Nondirective Approach in the Classroom, is "an attempt to indicate how such a teacher will react in the ordinary day-to-day task of teaching."—A. S. Thompson.

6534. Knott, Dorothy Eugenia. The extent of counseling and the qualifications of counselors in junior colleges in North Carolina. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 112. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6535. McConnell, Grace Elizabeth. Case studies of truancy in Mecklenburg County (with special relation to school-agency-community cooperation.) In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 119. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6536. Peden, Jessie Clara. Homeroom guidance programs for the first year of junior high school. In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 126. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6537. Stonebanks, Sarah Elizabeth. *Guidance in the small private academic junior college for girls.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 137-138. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6538. Williamson, E. G. (*U. Minnesota, Minneapolis.*) *Counseling adolescents.* New York: McGraw-Hill, 1950. ix, 548 p. \$4.50.—Part I, An outline of clinical techniques, of the 1939 volume, "How to counsel students," (see 14: 6237) has been revised and expanded into an independent volume with 10 chapters, an appendix of 12 illustrative cases covering 252 pages, and a list of 33 educational films from 16 sources. Content covers techniques of counseling for vocational and educational guidance as well as for personal adjustment problems, with case data drawn from the files of the Student Counseling Bureau of the University of Minnesota.—*J. F. Kamman.*

EDUCATIONAL MEASUREMENT

6539. Daughtrey, John Patrick. *An evaluation of the American Council Examination at the University of North Carolina.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 96-97. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6540. Latimer, Joseph Marion. *The validity of anecdotal recommendations as specific factors in the prediction of scientific achievement.* In *Ohio State University, Abstracts of dissertations . . . 1948-1949.* Columbus, O., 1950, No. 58, 233-238.—Abstract of Ph.D. thesis.

6541. Lyerly, Samuel Badger. *Problems and procedures in the validation of placement tests.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 117. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6542. Palacín, Gregorio B. *La psicometría y la educación.* (Psychometry and education.) *Bol. Inst. int. amer. Prot. Infanc., Montevideo.*, 1950, 24, 59-76.—The author traces the development of psychometry over the years, starting with Wundt in 1879. General problems and methods in psychometry are discussed together with short accounts of major events in psychometry. Educational psychometric measurements are the business of the expert examiner, but the teacher is the central figure in education who can not be supplanted since he is able to see the pupil in dynamic context.—*R. J. Corsini.*

(See also abstract 6353)

EDUCATION STAFF PERSONNEL

6543. Carraway, Mary Hilliard. *Current practices in the selection of teachers in selected colleges and universities in the United States.* In *University of North Carolina Record, Research in progress . . .*

1948. Chapel Hill, N. C., 1949, No. 464, 93-94. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6544. Cook, Lloyd Allen. [Ed.] (*Wayne U., Detroit, Mich.*) *College programs in intergroup relations.* Washington, D. C.: American Council on Education, 1950. xvii, 365 p. \$3.75.—In an effort to improve the training of teachers, 24 colleges participated from 1 to 4 years in a cooperative program. The schools were selected to provide a representative sample of teacher education in regard to size, ethnic groups served, locality, support and religion—though no Catholic school participated. Among the activities reported were surveys, preparation of teaching units, promotion of library facilities, films, picketing, workshops, sociodramas, instruction in English for foreign language students and adults, pageants, festivals, field trips, marketing of Indian crafts, social agency work, and individual conference approaches.—*G. K. Morlan.*

6545. Kornegay, Joseph Thomas. *A study of practices in the selection of teachers.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 113. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6546. Leonard, Ruth. *A study of techniques for the selection of women students for teacher training in physical education.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 162. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

PERSONNEL PSYCHOLOGY

6547. Burlingame, C. C. *Psychiatry in industry.* *Amer. J. Psychiat.*, 1950, 106, 520-522.—Review of psychiatric progress 1949; 17-item bibliography.

6548. Gilbertson, Henry S. *Personnel policies and unionism.* New York: Ginn, 1950. xii, 463 p. \$4.50.—30 chapters are divided into 6 Parts: (1) The broad bases of personnel policy, (2) The manpower problem, (3) Workers' interests and problems, (4) Supervision and organization, (5) The influence of unionism, and (6) Issues in the making. The task of personnel administration, of unions and of employers, is seen as reconciling points of view toward a common purpose of production. It is assumed that eventually and gradually most of the conflicts in industry can be reconciled and harmonized. 170-item bibliography.—*W. H. Osterberg.*

6549. Johnson, Doris Inez. *Survey of personnel practices in selected industrial organizations of High Point, North Carolina.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 307-308. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6550. Rosner, Phyllis. *An investigation of the relative importance of certain job incentives.* In *University of North Carolina Record, Research in progress . . . 1948.* Chapel Hill, N. C., 1949, No. 464, 340. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6551. Sutherland, Robert L. (Hogg Foundation, Austin, Tex.) **Mental health in industrial relations.** *Ment. Hyg.*, N. Y., 1950, 34, 192-195.—A discussion of the contribution which mental hygiene can make to industry through increasing our understanding of "why people work," through helping supervisors and labor leaders to more intelligently deal with "cases of abnormal behavior," and to aid management in better understanding problems existing among its own leadership.—M. A. Seidenfeld.

SELECTION & PLACEMENT

6552. Freeman, G. L., (Cornell U., Ithaca, N. Y.), & Taylor, E. K. **How to pick leaders.** New York: Funk and Wagnalls, 1950. vii, 226 p. \$3.50.—The authors present a survey of techniques for selecting leaders, including interview, test, and rating methods. They advocate the use of situational tests and forced-choice ratings as being by far the most promising techniques. The authors' experience is chiefly in selecting military and graduate student leaders, and most of the data pertain to those two sources. The book is intended chiefly for industrial executives, and a small proportion of selected industrial references is included. The discussion has been made as non-technical as possible, in the hope of encouraging executives to promote the application of scientific principles in selecting their subordinates.—H. F. Rothe.

6553. Lundervold, Arne. (Inst. Aviat. Med., Oslo, Norway.) **Electro-myography as a test for pilot aspirants.** *J. Aviat. Med.*, 1950, 21, 147-149; 159.—This is a general discussion of some preliminary results obtained with muscle action potentials measured with a view to their possible usefulness for selecting aviation cadets.—A. Chapanis.

6554. Wautriche, P. **L'étude du facteur humain.** (Study of the human factor.) *Bull. Serv. psychotech. Soc. Nat. Chemins Fer. belg.*, 1943, No. 4, 6-17; 1943, No. 5, 5-11; 1944, No. 6, 4-10; 1945, No. 7, 7-12; 1946, No. 8, 4-7.—The author explains the methods employed for the selection of employees on the railroad for the psychotechnical service of Belgian railways. He studies successively the procedure employed for disclosing the physical, sensory, sensory-motor, psycho-motor, intellectual and affective qualities. The article includes long descriptions of tests and well-known equipment, with numerous photographs and drawings, as well as standardizations.—R. Piret.

LABOR-MANAGEMENT RELATIONS

6555. Whitton, Rex M. (Missouri State Highway Department.) **Missouri's method of job evaluation.** *Proc. Highw. Res. Bd.*, 1948, 28, 514-521.—Salaries and wages paid to employees by the Missouri State Highway Department are based on a system of job evaluation developed by a committee of Highway Department employees after a half-year period of study of industrial job evaluation systems and other available data on methods of evaluating jobs. This

job evaluation system, which is a combination of the point system and the factor-comparison system, makes use of five job factors for units of measurement. These factors are basic training, effort, responsibility, job conditions, and on-job training. The Missouri job evaluation method has been giving satisfactory results for the past three years and has received the almost unanimous approval of the Highway Department employees.—C. P. Froehlich.

INDUSTRIAL AND OTHER APPLICATIONS

6556. McQuitty, Louis L. (U. Illinois, Urbana.) **Effective military administration.** *Milit. Rev., Ft. Leavenworth*, 1950, 30, 54-62.—The conditions under which people perform most effectively are outlined by McQuitty with particular reference to military administrative organization and personal relationships. He points out that, "The administrator's achievement depends on the leadership and organization." The role of organization, office space, personality frictions, relationships to superiors and leadership are discussed in light of their contribution to an efficient program.—M. A. Seidenfeld.

(See also abstract 6184)

INDUSTRY

6557. American Public Health Association. Industrial Hygiene Section. **Report.** *Amer. J. publ. Hlth*, 1949, 40, 131-143.—This report discusses space allotments for workers, factors affecting thermal comfort as well as criteria for establishing thermal standards. Under the heading of desirable air conditions in normal industrial environments, findings related to the topics of: (1) temperature, humidity and air movement, (2) radiation, (3) air movement and drafts; and (4) outside air supply, are presented. Limitations of temperature and humidity as well as hours of work in hot industries are discussed. Limits of tolerance to cold and control of occupational cold hazards are analyzed in conclusion. An appendix supplies formulae for the estimation of radiant heat, equivalent temperature, and effective temperature corrected for radiation.—R. S. Waldrop.

6558. Barrow, Margaret Bruce. **An evaluation of music for industrial use.** In *University of North Carolina Record, Research in progress . . . 1948*. Chapel Hill, N. C., 1949, No. 464, 307. (Grad. Sch. Ser. No. 56.)—Abstract of M.A. thesis.

6559. De Laet, M., & Lobet, E. **Étude de la valeur économique des gestes professionnels.** (Study of the economic value of occupational motions.) Brussels: Ed. De Visscher, 1949. 451 p.—Combining the numerical importance of each type of occupation with the degree of professional necessity for the different movements of the human body, the authors obtained an exact economic value of motions. Founded on Belgian statistics, this work can always serve in other countries in applying a formula of transfer.—R. Piret.

6560. Drabs, J. Les nouvelles tendances de la psychotechnique. (New tendencies in psychotechnics.) *Rev. Sci. Pedag.*, 1949, 11, 74-79.—Psychotechnics have developed during the 40 years of their existence, not only regarding professional orientation and selection of personnel, but all the psychological, physiological and sociological problems that concern man at his work. The experiences of the Western Electric Co. are particularly significant in this respect.—R. Piret.

6561. Manoil, A. (Park Coll., Parkville, Mo.) Contribution of American psychologists to aviation psychology during World War II. *Arch. Psicol. Neurol. Psychiat.*, 1950, 11, 83-87.—Introductory considerations and short abstracts of the 19 Army Air Forces Aviation Psychology Research Reports, published by the U. S. Government Printing Office (in English).—A. Manoil.

6562. Webster, A. P. (Camp Lejeune, N. C.) High altitude-high velocity flying with special reference to the human factors: I. Outline of human

problems. *J. Aviat. Med.*, 1950, 21, 82-84; 89.—As the title implies, this is an outline of areas of research on human factors in high altitude and high velocity flying. Among the topics mentioned are: (1) human factors in the design of cockpits and controls, (2) physiological factors in high altitude flight, (3) physiological factors in high velocity flight, (4) human factors in escape from aircraft, (5) tolerances to carbon monoxide and carbon dioxide, (6) pilot disorientation, (7) vision, (8) neuropsychiatric problems, and (9) noise and vibration.—A. Chapanis.

(See also abstracts 6174, 6217, 6249)

BUSINESS & COMMERCE

6563. Browne, Clarence George. An exploration into the use of certain methods for the study of executive function in business. In *Ohio State University, Abstracts of dissertations . . . 1948-1949*. Columbus, O., 1950, No. 58, 51-57.—Abstract of Ph.D. thesis.

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LIST OF JOURNALS REGULARLY SEARCHED

So that users of PSYCHOLOGICAL ABSTRACTS may know the extent of our coverage, we publish below the fourth annual list of journals which are regularly searched. This list, revised by the deletion of journals which it is no longer possible to cover regularly and by the addition of other journals, totals 549, an increase in 30 titles over Volume 23. The searching categories are indicated by type face: **bold face**, journals received by the editorial office; roman, journals searched by the abstractor; *italics*, journals searched by title only. The list is correct as of 1 November 1950. In those cases where no abstractor is indicated, the journal is temporarily unassigned.

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Acta ophthalmologica, Kjøbenhavn. (*Acta ophthal., Kbh.*) (Sumner)
Acta Oto-Laryngologica. (*Acta oto-laryng., Stockh.*) (Hirsh)
Acta Oto-Laryngologica Supplement. (*Acta oto-laryng., Stockh. Suppl.*) (Hirsh)
Acta Paediatrica, Stockholm. (*Acta paediatr., Stockh.*) (Prager)
Acta Paediatrica, Stockholm, Supplement. (*Acta paediatr., Stockh., Suppl.*) (Prager)
Acta Psychiatrica et Neurologica, Kjøbenhavn. (*Acta psychiat., Kbh.*) (Prager)
Acta Psychologica. (*Acta psychol.*) (Rubin-Rabson)
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Advanced Management. (*Advanc. Mgmt.*) (Moore)
Advancement of Science. (*Advanc. Sci.*) (Speer)
Albrecht v. Graefes Arch. für Ophthalmologie. (*v. Graefes Arch. Ophthal.*) (Krieger)
Algemeen Nederlands Tijdschrift voor Wijsbegeerte en Psychologie. (*Alg. ned. Tijdschr. Wijsb. Psychol.*) (Dresden)
American Annals of the Deaf. (*Amer. Ann. Deaf*) (Myklebust)
American Anthropologist. (*Amer. Anthropol.*) (Hanks)
American Imago. (*Amer. Imago*) (Varvel)
American Journal of Anatomy. (*Amer. J. Anat.*) (Waldrop)
American Journal of Diseases of Children. (*Amer. J. Dis. Child.*)
American Journal of Human Genetics. (*Amer. J. Hum. Genet.*) (Halperin)
American Journal of the Medical Sciences. (*Amer. J. med. Sci.*) (Sumner)
American Journal of Medicine. (*Amer. J. Med.*)
American Journal of Mental Deficiency. (*Amer. J. ment. Def.*) (Staudt)
American Journal of Nursing. (*Amer. J. Nurs.*)
American Journal of Ophthalmology. (*Amer. J. Ophthal.*) (Shaad)
American Journal of Optometry. (*Amer. J. Optom.*) (Stoll)
American Journal of Orthopsychiatry. (*Amer. J. Orthopsychiat.*) (Perl)
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American Journal of Physical Anthropology. (*Amer. J. phys. Anthropol.*)
American Journal of Physiology. (*Amer. J. Physiol.*) (Bromiley)
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American Journal of Psychotherapy. (*Amer. J. Psychother.*) (Greene)
American Journal of Public Health. (*Amer. J. publ. Hlth*) (Waldrop)
American Journal of Sociology. (*Amer. J. Sociol.*) (Glick)
American Practitioner. (*Amer. Practit.*) (Sumner)
American Psychologist. (*Amer. Psychologist*) (Mathias)
American Scholar. (*Amer. Scholar*) (Rubin-Rabson)
American School Board Journal. (*Amer. Sch. Bd. J.*) (Speer)
American Scientist. (*Amer. Scientist*) (Louttit)
American Sociological Review. (*Amer. sociol. Rev.*) (Charters)
Américas. (*Américas*) (Louttit)
Anatomical Record. (*Anat. Rec.*)
Annals of the American Academy of Political and Social Science. (*Ann. Amer. Acad. polit. soc. Sci.*) (Noble)
Annals of Eugenics, Cambridge. (*Ann. Eugen., Camb.*) (Weider)
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 Beihefte zur Schweizerischen Zeitschrift für Psychologie und ihre Anwendungen. (*Beih. Schweiz. Z. Psychol. Anwend.*) (Ammons)
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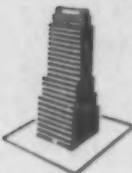
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